TOSHIBA

FILE NO. 023-200509
SUPPLEMENT

SERVICE MANUAL

Projection Television

46HMX85
52HMX85
62HMX85

– SUMMARY –

46HMX85/52HMX85/62HMX85 is the same as 52HM85/62HM85 except for the parts tabled on back of this sheet.
Use this service manual together with the service manual of 52HM85/62HM85 (File No. 020-200506).

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REPLACEMENT PARTS LIST DIFFERENCES

Location No.	Parts No.	Description
#1 : [46HMX85]		
#2 : [52HMX85]		
#3 : [62HMX85]		
CAPACITORS		
C101	76797339	ELECTROLYTIC, 50V 3.3UF M
C102	76665221	ELECTROLYTIC, 10V 220UF M 3A
C105	76100102	CERAMIC CHIP, 50V F 1000PF Z
C106	76669479	ELECTROLYTIC, 50V 4.7UF M
C107	76666221	ELECTROLYTIC, 16V 220UF M
C108	76665221	ELECTROLYTIC, 10V 220UF M 3A
C109	76100104	CERAMIC CHIP, 25V F 0.1UF Z
C110	76794101	ELECTROLYTIC, 16V 100UF M
C601	76109122	CERAMIC CHIP, 50V B 1200PF K
C602	76109122	CERAMIC CHIP, 50V B 1200PF K
C603	76073084	ELECTROLYTIC, 50V 4.7UF M 3A
C604	76073084	ELECTROLYTIC, 50V 4.7UF M 3A
C605	76073086	ELECTROLYTIC, 50V 10UF M 3A
C606	76073086	ELECTROLYTIC, 50V 10UF M 3A
C607	76073053	ELECTROLYTIC, 25V 100UF M 3A
C608	76073086	ELECTROLYTIC, 50V 10UF M 3A
C612	76073054	ELECTROLYTIC, 25V 220UF M 3A
C621	76109822	CERAMIC CHIP, 50V B 8200PF K
C622	76109822	CERAMIC CHIP, 50V B 8200PF K
C661	76073084	ELECTROLYTIC, 50V 4.7UF M 3A
C662	76073086	ELECTROLYTIC, 50V 10UF M 3A
C663	76073086	ELECTROLYTIC, 50V 10UF M 3A
C665	76109103	CERAMIC CHIP, 50V B 0.01UF K
C666	76073084	ELECTROLYTIC, 50V 4.7UF M 3A
C667	76794100	ELECTROLYTIC, 16V 10UF M
C668	76105560	CERAMIC CHIP, 50V CH 56PF J
C669	76105560	CERAMIC CHIP, 50V CH 56PF J
C680	76073073	ELECTROLYTIC, 35V 2200UF M 3A
C681	76109103	CERAMIC CHIP, 50V B 0.01UF K
C682	76073082	ELECTROLYTIC, 50V 2.2UF M 3A
C683	76073053	ELECTROLYTIC, 25V 100UF M 3A
C684	76795470	ELECTROLYTIC, 25V 47UF M
⚠ C801	76503004	PLASTIC FILM, AC275V 0.47UF M
⚠ C803	76503002	PLASTIC FILM, AC275V 0.22UF M
C805	76092281	CERAMIC DISC, AC250V E 4700PF
C809	76086067	CHEMICON 200V 102M LGQ2D102MESHTL
C810	76086067	CHEMICON 200V 102M LGQ2D102MESHTL
⚠ C811	76092557	CERAMIC DISC, AC250V E 2200PF M
⚠ C812	76092557	CERAMIC DISC, AC250V E 2200PF M
⚠ C814	76092553	CERAMIC DISC, AC250V B 470PF K
⚠ C816	76092555	CERAMIC DISC, AC250V E 1000PF M
C840	76679220	ELECTROLYTIC, 250V 22UF M 3A
C841	76073043	ELECTROLYTIC, 16V 2200UF M 3A
C842	76503041	PLASTIC FILM , 63V 0.1UF J
C843	76092333	CERAMIC DISC, 2KV 100PF K
C845	76073082	ELECTROLYTIC, 50V 2.2UF M 3A
C848	76073039	ELECTROLYTIC, 16V 220UF M 3A
C861	76092342	CERAMIC DISC, 2KV R 560PF K
C862	76503045	PLASTIC FILM, 63V 0.22UF J
C863	76212221	CERAMIC DISC, 50V B 220PF K
C864	76590681	PLASTIC FILM, 50V 680PF J
C865	76073063	ELECTROLYTIC, 35V 4.7UF M 3A
C866	76820223	PLASTIC FILM, 630V 0.022UF J
C868	76073068	ELECTROLYTIC, 35V 100UF M 3A
C883	76567104	PLASTIC FILM, 50V 0.1UF J
C884	76214331	CERAMIC DISC, 500V B 330PF K
C885	76073191	ELECTROLYTIC, 35V 1500UF M 3A
C886	76214331	CERAMIC DISC, 500V B 330PF K
C887	76676470	ELECTROLYTIC, 100V 47UF M 3A
C888	76214331	CERAMIC DISC, 500V B 330PF K
C889	76073171	ELECTROLYTIC, 25V 820UF M 3A
C890	76214331	CERAMIC DISC, 500V B 330PF K
C891	76073161	ELECTROLYTIC, 16V 3900UF M 3A
C892	76214331	CERAMIC DISC, 500V B 330PF K
C893	76073173	ELECTROLYTIC, 10V 3900UF M 3A
C894	76214331	CERAMIC DISC, 500V B 330PF K
C895	76073075	ELECTROLYTIC, 35V 4700UF M 3A
C898	76503041	PLASTIC FILM , 63V 0.1UF J
C8200	76073067	ELECTROLYTIC, 35V 47UF M 3A

Location No.	Parts No.	Description
C8201	76503047	PLASTIC FILM, 63V 0.33UF J
C8202	76073169	ELECTROLYTIC, 25V 470UF M 3A
C8210	76073172	ELECTROLYTIC, 25V 1000UF M 3A
C8211	76503041	PLASTIC FILM , 63V 0.1UF J
C8212	76214221	CERAMIC DISC, 500V B 220PF K
C8213	76503041	PLASTIC FILM , 63V 0.1UF J
C8214	76617006	ELECTROLYTIC, 25V 820UF M
C8215	76073138	ELECTROLYTIC, 10V 220UF M 3A
C8220	76073068	ELECTROLYTIC, 35V 100UF M 3A
C8221	76073169	ELECTROLYTIC, 25V 470UF M 3A
C8224	76073087	ELECTROLYTIC, 50V 22UF M 3A
C8225	76073141	ELECTROLYTIC, 10V 1000UF M 3A
C8240	76073038	ELECTROLYTIC, 16V 100UF M 3A
C8241	76503047	PLASTIC FILM, 63V 0.33UF J
C8242	76073141	ELECTROLYTIC, 10V 1000UF M 3A
C8250	76073141	ELECTROLYTIC, 10V 1000UF M 3A
C8251	76567334	PLASTIC FILM, 50V 0.33UF J
C8252	76073141	ELECTROLYTIC, 10V 1000UF M 3A
C8253	76669339	ELECTROLYTIC, 50V 3.3UF M
C8905	76073002	ELECTROLYTIC, 6.3V 220UF M 3A
C8911	76503047	PLASTIC FILM, 63V 0.33UF J
C8912	76503047	PLASTIC FILM, 63V 0.33UF J
C8921	76073141	ELECTROLYTIC, 10V 1000UF M 3A
C8930	76073067	ELECTROLYTIC, 35V 47UF M 3A
C8931	76503047	PLASTIC FILM, 63V 0.33UF J
C8932	76073152	ELECTROLYTIC, 16V 330UF M 3A
C8933	76073069	ELECTROLYTIC, 35V 220UF M 3A
C8940	76073067	ELECTROLYTIC, 35V 47UF M 3A
C8941	76503047	PLASTIC FILM, 63V 0.33UF J
C8942	76073152	ELECTROLYTIC, 16V 330UF M 3A
C8943	76073069	ELECTROLYTIC, 35V 220UF M 3A
CA81	76109333	CERAMIC CHIP, 25V B 0.033UF K
CA82	76109123	CERAMIC CHIP, 50V B 0.012UF K
CA83	76109103	CERAMIC CHIP, 50V B 0.01UF K
CA84	76109333	CERAMIC CHIP, 25V B 0.033UF K
CA85	76109273	CERAMIC CHIP, 25V B 0.027UF K
CA86	76109123	CERAMIC CHIP, 50V B 0.012UF K
CA87	76109123	CERAMIC CHIP, 50V B 0.012UF K
CA88	76109333	CERAMIC CHIP, 25V B 0.033UF K
CA91	76092730	CERAMIC CHIP, 16V B 0.1UF K
CA92	76092730	CERAMIC CHIP, 16V B 0.1UF K
CA93	76619040	ELECTROLYTIC CHIP, 16V 10UF M 3A
CA94	76619040	ELECTROLYTIC CHIP, 16V 10UF M 3A
CA95	76092730	CERAMIC CHIP, 16V B 0.1UF K
CA96	76092730	CERAMIC CHIP, 16V B 0.1UF K
CA914	76619040	ELECTROLYTIC CHIP, 16V 10UF M 3A
CA915	76092730	CERAMIC CHIP, 16V B 0.1UF K
CA916	76092730	CERAMIC CHIP, 16V B 0.1UF K
CB01	76794470	ELECTROLYTIC, 16V 47UF M
CB81	76092730	CERAMIC CHIP, 16V B 0.1UF K
CB82	76092730	CERAMIC CHIP, 16V B 0.1UF K
CB83	76092730	CERAMIC CHIP, 16V B 0.1UF K
CB99	76092730	CERAMIC CHIP, 16V B 0.1UF K
CS01	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS02	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS03	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS04	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS05	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS06	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS07	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS08	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS09	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS10	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS11	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS12	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS13	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS14	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS15	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS16	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS17 #2	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
#3	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS18 #2	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
#3	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS25	76109103	CERAMIC CHIP, 50V B 0.01UF K

Location No.	Parts No.	Description
CS26	76794470	ELECTROLYTIC, 16V 47UF M
CS27	76794220	ELECTROLYTIC, 16V 22UF M
CS28	76794100	ELECTROLYTIC, 16V 10UF M
CS29	76794100	ELECTROLYTIC, 16V 10UF M
CS30	76794100	ELECTROLYTIC, 16V 10UF M
CV01	76092621	CERAMIC CHIP, 10V B 1UF K
CV02	76092621	CERAMIC CHIP, 10V B 1UF K
CV03	76092621	CERAMIC CHIP, 10V B 1UF K
CV04	76100104	CERAMIC CHIP, 25V F 0.1UF Z
CV05	76092621	CERAMIC CHIP, 10V B 1UF K
CV06	76092621	CERAMIC CHIP, 10V B 1UF K
CV10	76100104	CERAMIC CHIP, 25V F 0.1UF Z
CV11	76092621	CERAMIC CHIP, 10V B 1UF K
CV13	76100104	CERAMIC CHIP, 25V F 0.1UF Z @U103
	76794100	ELECTROLYTIC, 16V 10UF M @UV03
CV14	76092621	CERAMIC CHIP, 10V B 1UF K @U103
	76232103	CERAMIC DISC, 50V F 0.01UF Z @UV03
CV15	76100104	CERAMIC CHIP, 25V F 0.1UF Z @U103
	76232103	CERAMIC DISC, 50V F 0.01UF Z @UV03
CV27	76762471	ELECTROLYTIC, 10V 470UF M
CV29	76763101	ELECTROLYTIC, 16V 100UF M
CV30	76092730	CERAMIC CHIP, 16V B 0.1UF K
CV38	76109102	CERAMIC CHIP, 50V B 1000PF K
CV39	76109102	CERAMIC CHIP, 50V B 1000PF K
CV47	76092621	CERAMIC CHIP, 10V B 1UF K
CV70	76794101	ELECTROLYTIC, 16V 100UF M
CV71	76092621	CERAMIC CHIP, 10V B 1UF K
CV72	76794220	ELECTROLYTIC, 16V 22UF M
CV245	76092621	CERAMIC CHIP, 10V B 1UF K
CV246	76092621	CERAMIC CHIP, 10V B 1UF K
CV247	76092621	CERAMIC CHIP, 10V B 1UF K
CV249	76092621	CERAMIC CHIP, 10V B 1UF K
CV250	76092621	CERAMIC CHIP, 10V B 1UF K
CV251	76092621	CERAMIC CHIP, 10V B 1UF K
CV253	76092621	CERAMIC CHIP, 10V B 1UF K
CV254	76092621	CERAMIC CHIP, 10V B 1UF K
CV255	76092621	CERAMIC CHIP, 10V B 1UF K
CY101	76092441	CERAMIC CHIP, 16V F 1UF Z
CY102	76665221	ELECTROLYTIC, 10V 220UF M 3A @U101
	76794101	ELECTROLYTIC, 16V 100UF M @U103
CY103	76100104	CERAMIC CHIP, 25V F 0.1UF Z
CY104	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY105	76100102	CERAMIC CHIP, 50V F 1000PF Z @U101
	76109103	CERAMIC CHIP, 50V B 0.01UF K @U103
CY106	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY107	76794100	ELECTROLYTIC, 16V 10UF M
CY108	76100104	CERAMIC CHIP, 25V F 0.1UF Z
CY109	76105101	CERAMIC CHIP, 50V CH 100PF J
CY111	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY112	76105181	CERAMIC CHIP, 50V CH 180PF J
CY113	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY114	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY115	76105390	CERAMIC CHIP, 50V CH 39PF J
CY116	76105470	CERAMIC CHIP, 50V CH 47PF J
CY117	76105180	CERAMIC CHIP, 50V CH 18PF J
CY160	76815393	CERAMIC CHIP, 50V B 0.039UF K
CY501	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY502	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY504	76109222	CERAMIC CHIP, 50V B 2200PF K
CY505	76105120	CERAMIC CHIP, 50V CH 12PF J
CY506	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY508	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY512	76092463	CERAMIC CHIP, 16V B 0.22UF K
CY513	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY514	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY515	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY516	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY517	76092731	CERAMIC CHIP, 16V B 1UF K
CY524	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY525	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY526	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY538	76761102	ELECTROLYTIC, 6.3V 1000UF M
CY539	76794471	ELECTROLYTIC, 16V 470UF M
CY540	76794471	ELECTROLYTIC, 16V 470UF M
CY541	76761102	ELECTROLYTIC, 6.3V 1000UF M
CY582	76105101	CERAMIC CHIP, 50V CH 100PF J

RESISTORS

R010	76011102	CHIP, 1/20W 1K OHM J
R150	76011332	CHIP, 1/20W 3.3K OHM J
R151	76011562	CHIP, 1/20W 5.6K OHM J
R152	76011103	CHIP, 1/20W 10K OHM J
R173	76011103	CHIP, 1/20W 10K OHM J
R174	76011273	CHIP, 1/20W 27K OHM J
R264	76011750	CHIP, 1/20W 75 OHM J
R265	76011750	CHIP, 1/20W 75 OHM J
R266	76011750	CHIP, 1/20W 75 OHM J
R286	76011750	CHIP, 1/20W 75 OHM J
R287	76011750	CHIP, 1/20W 75 OHM J
R288	76011750	CHIP, 1/20W 75 OHM J
R347	76011101	CHIP, 1/20W 100 OHM J
R348	76011101	CHIP, 1/20W 100 OHM J
R601	76011822	CHIP, 1/20W 8.2K OHM J
R602	76011822	CHIP, 1/20W 8.2K OHM J
R603	76011122	CHIP, 1/20W 1.2K OHM J
R604	76011122	CHIP, 1/20W 1.2K OHM J
R609	76011563	CHIP, 1/20W 56K OHM J
R610	76011223	CHIP, 1/20W 22K OHM J
R611	76011103	CHIP, 1/20W 10K OHM J
R612	76011222	CHIP, 1/20W 2.2K OHM J
R613	76011223	CHIP, 1/20W 22K OHM J
R614	76011103	CHIP, 1/20W 10K OHM J
R615	76011104	CHIP, 1/20W 100K OHM J
R616	76011822	CHIP, 1/20W 8.2K OHM J
R621	76011391	CHIP, 1/20W 390 OHM J
R622	76011391	CHIP, 1/20W 390 OHM J
R626	76011223	CHIP, 1/20W 22K OHM J
R627	76011223	CHIP, 1/20W 22K OHM J
R661	76011102	CHIP, 1/20W 1K OHM J
R662	76011333	CHIP, 1/20W 33K OHM J
R663	76011822	CHIP, 1/20W 8.2K OHM J
R665	76011223	CHIP, 1/20W 22K OHM J
R666	76011473	CHIP, 1/20W 47K OHM J
R667	76011223	CHIP, 1/20W 22K OHM J
R668	76011473	CHIP, 1/20W 47K OHM J
R671	76011102	CHIP, 1/20W 1K OHM J
R672	76011333	CHIP, 1/20W 33K OHM J
R673	76011822	CHIP, 1/20W 8.2K OHM J
R674	76011472	CHIP, 1/20W 4.7K OHM J
R676	76011104	CHIP, 1/20W 100K OHM J
R677	76011104	CHIP, 1/20W 100K OHM J
R681	76011222	CHIP, 1/20W 2.2K OHM J
R682	76011473	CHIP, 1/20W 47K OHM J
R683	76011223	CHIP, 1/20W 22K OHM J
R684	76011223	CHIP, 1/20W 22K OHM J
R687	76011103	CHIP, 1/20W 10K OHM J
R688	76011224	CHIP, 1/20W 220K OHM J
R693	76000445	CHIP JUMPER, 1608TYPE
R697	76553561	OXIDE METAL FILM, 1W 560 OHM J
R698	76011103	CHIP, 1/20W 10K OHM J
R699	76011103	CHIP, 1/20W 10K OHM J
R810	76568479	CERAMIC COVERED, 7W 4.7 OHM J
R811	76120001	CEMENT RES 141C 2.1W 1R8 K
R840	76552562	OXIDE METAL FILM, 1/2W 5.6K OHM J
R841	76366102	CARBON FILM, 1/6W 1K OHM J
R842	76376563	CARB0N FILM, 1/2W 56K OHM J
R843	76376563	CARB0N FILM, 1/2W 56K OHM J
R844	76366103	CARBON FILM, 1/6W 10K OHM J
R845	76366102	CARBON FILM, 1/6W 1K OHM J
R846	76366471	CARBON FILM, 1/6W 470 OHM J
R847	76366473	CARBON FILM, 1/6W 47K OHM J
R848	76366102	CARBON FILM, 1/6W 1K OHM J
R849	76552470	OXIDE METAL FILM, 1/2W 47 OHM J
R850	76366103	CARBON FILM, 1/6W 10K OHM J
R860	76382101	OXIDE METAL FILM, 1W 100 OHM J
R861	76383333	OXIDE METAL FILM, 2W 33K OHM J
R862	76019463	METAL PLATE, 2W 0.22 OHM J
R863	76019461	METAL PLATE, 2W 0.15 OHM J

Location No.	Parts No.	Description
R864	76321828	METAL FILM, 1/2W 0.82 OHM J
R865	76381221	OXIDE METAL FILM, 1/2W 220 OHM J
R866	76366681	CARBON FILM, 1/6W 680 OHM J
R867	76366152	CARBON FILM, 1/6W 1.5K OHM J
R868	76555473	OXIDE METAL FILM, 3W 47K OHM J
R869	76366152	CARBON FILM, 1/6W 1.5K OHM J
R870	76366154	CARBON FILM, 1/6W 150K OHM J
R881	76366222	CARBON FILM, 1/6W 2.2K OHM J
R882	76366471	CARBON FILM, 1/6W 470 OHM J
R885	76366102	CARBON FILM, 1/6W 1K OHM J
R886	76000525	METAL FILM, 1/4W 4.7K OHM F
R887	76367683	CARBON FILM, 1/6W 68K OHM G
R888	76000525	METAL FILM, 1/4W 4.7K OHM F
R889	76383222	OXIDE METAL FILM, 2W 2.2K OHM J
R891	76555331	OXIDE METAL FILM, 3W 330 OHM J
R892	76555331	OXIDE METAL FILM, 3W 330 OHM J
⚠ R899	76005014	METAL FILM, 1W 8.2M OHM J
R8200	76367390	CARBON FILM, 1/6W 390 OHM G
R8210	76000147	METAL FILM, 1/4W 470 OHM F
R8211	76000219	METAL FILM, 1/4W 10 OHM F
R8220	76367390	CARBON FILM, 1/6W 390 OHM G
R8240	76000635	METAL FILM, 1/4W 12K OHM F
R8241	76000529	RESIST0R, METAL FILM, 1/4W 6.8K OHM F
R8242	76367471	CARBON FILM, 1/6W 470 OHM G
R8250	76000145	METAL FILM, 1/4W 330 OHM F
R8251	76000145	METAL FILM, 1/4W 330 OHM F
R8252	76367392	CARBON FILM, 1/6W 3.9K OHM G
R8902	76366333	CARBON FILM, 1/6W 33K OHM J
R8903	76366333	CARBON FILM, 1/6W 33K OHM J
R8904	76366472	CARBON FILM, 1/6W 4.7K OHM J
R8905	76366681	CARBON FILM, 1/6W 680 OHM J
R8908	76366104	CARBON FILM, 1/6W 100K OHM J
R8910	76366472	CARBON FILM, 1/6W 4.7K OHM J
R8911	76366103	CARBON FILM, 1/6W 10K OHM J
R8912	76366223	CARBON FILM, 1/6W 22K OHM J
R8913	76366334	CARBON FILM, 1/6W 330K OHM J
R8914	76366223	CARBON FILM, 1/6W 22K OHM J
R8915	76366102	CARBON FILM, 1/6W 1K OHM J
R8922	76366122	CARBON FILM, 1/6W 1.2K OHM J
R8931	76367123	CARBON FILM, 1/6W 12K OHM G
R8932	76367182	CARBON FILM, 1/6W 1.8K OHM G
R8934	76367472	CARBON FILM, 1/6W 4.7K OHM G
R8941	76367123	CARBON FILM, 1/6W 12K OHM G
R8942	76367182	CARBON FILM, 1/6W 1.8K OHM G
R8944	76367472	CARBON FILM, 1/6W 4.7K OHM G
R8950	76366103	CARBON FILM, 1/6W 10K OHM J
R8951	76366103	CARBON FILM, 1/6W 10K OHM J
RA44	76011105	CHIP, 1/20W 1M OHM J
RA48	76011105	CHIP, 1/20W 1M OHM J
RA51	76011105	CHIP, 1/20W 1M OHM J
RA53	76011105	CHIP, 1/20W 1M OHM J
RA55	76011105	CHIP, 1/20W 1M OHM J
RA57	76011105	CHIP, 1/20W 1M OHM J
RA61	76011222	CHIP, 1/20W 2.2K OHM J
RA62	76011222	CHIP, 1/20W 2.2K OHM J
RA63	76011222	CHIP, 1/20W 2.2K OHM J
RA64	76011222	CHIP, 1/20W 2.2K OHM J
RA65	76011222	CHIP, 1/20W 2.2K OHM J
RA66	76011222	CHIP, 1/20W 2.2K OHM J
RA67	76011222	CHIP, 1/20W 2.2K OHM J
RA68	76011222	CHIP, 1/20W 2.2K OHM J
RA71	76011822	CHIP, 1/20W 8.2K OHM J
RA72	76011153	CHIP, 1/2OW 15K OHM J
RA73	76011273	CHIP, 1/20W 27K OHM J
RA75	76011822	CHIP, 1/20W 8.2K OHM J
RA76	76011153	CHIP, 1/2OW 15K OHM J
RA77	76011114	CHIP, 1/20W 110K OHM J
RA81	76011104	CHIP, 1/20W 100K OHM J
RA82	76011104	CHIP, 1/20W 100K OHM J
RA83	76011104	CHIP, 1/20W 100K OHM J
RA84	76011104	CHIP, 1/20W 100K OHM J
RA85	76011104	CHIP, 1/20W 100K OHM J
RA86	76011104	CHIP, 1/20W 100K OHM J
RA87	76011104	CHIP, 1/20W 100K OHM J

Location No.	Parts No.	Description
RA88	76011104	CHIP, 1/20W 100K OHM J
RA91	76011623	CHIP, 1/20W 62K OHM J
RA94	76000445	CHIP JUMPER, 1608TYPE
RA95	76011623	CHIP, 1/20W 62K OHM J
RA98	76000445	CHIP JUMPER, 1608TYPE
RB15	76366471	CARBON FILM, 1/6W 470 OHM J
RB19	76366470	CARBON FILM, 1/6W 47 OHM J
RB81	76011222	CHIP, 1/20W 2.2K OHM J
RB82	76011471	CHIP, 1/20W 470 OHM J
RB83	76011102	CHIP, 1/20W 1K OHM J
RB84	76011473	CHIP, 1/20W 47K OHM J
RB87	76011394	CHIP, 1/20W 390K OHM J
RB88	76011394	CHIP, 1/20W 390K OHM J
RB89	76011103	CHIP, 1/20W 10K OHM J
RB90	76011302	CHIP, 1/20W 3K OHM J
RB92	76011473	CHIP, 1/20W 47K OHM J
RB93	76011102	CHIP, 1/20W 1K OHM J
RS01	76011562	CHIP, 1/20W 5.6K OHM J
RS02	76011562	CHIP, 1/20W 5.6K OHM J
RS03	76011101	CHIP, 1/20W 100 OHM J
RS04	76011101	CHIP, 1/20W 100 OHM J
RS05	76011562	CHIP, 1/20W 5.6K OHM J
RS06	76011562	CHIP, 1/20W 5.6K OHM J
RS07	76011562	CHIP, 1/20W 5.6K OHM J
RS08	76011562	CHIP, 1/20W 5.6K OHM J
RS09	76011562	CHIP, 1/20W 5.6K OHM J
RS10	76011562	CHIP, 1/20W 5.6K OHM J
RS11	76011562	CHIP, 1/20W 5.6K OHM J
RS12	76011562	CHIP, 1/20W 5.6K OHM J
RS13	76011562	CHIP, 1/20W 5.6K OHM J
RS14	76011562	CHIP, 1/20W 5.6K OHM J
RS15	76011562	CHIP, 1/20W 5.6K OHM J
RS16	76011562	CHIP, 1/20W 5.6K OHM J
RS17 #2	76011562	CHIP, 1/20W 5.6K OHM J
#3	76011562	CHIP, 1/20W 5.6K OHM J
RS18 #2	76011562	CHIP, 1/20W 5.6K OHM J
#3	76011562	CHIP, 1/20W 5.6K OHM J
RS21	76011101	CHIP, 1/20W 100 OHM J
RS22	76011101	CHIP, 1/20W 100 OHM J
RS23	76011101	CHIP, 1/20W 100 OHM J
RS24	76011101	CHIP, 1/20W 100 OHM J
RS27	76011101	CHIP, 1/20W 100 OHM J
RS28	76011101	CHIP, 1/20W 100 OHM J
RS29	76011682	CHIP, 1/20W 6.8K OHM J
RS30	76011182	CHIP, 1/20W 1.8K OHM J
RS31	76011100	CHIP, 1/20W 10 OHM J
RS32	76011222	CHIP, 1/20W 2.2K OHM J
RS33	76011222	CHIP, 1/20W 2.2K OHM J
RS34	76011472	CHIP, 1/20W 4.7K OHM J
RS35	76011102	CHIP, 1/20W 1K OHM J
RS36	76011102	CHIP, 1/20W 1K OHM J
RS37	76011223	CHIP, 1/20W 22K OHM J
RS38	76011223	CHIP, 1/20W 22K OHM J
RV001	76011102	CHIP, 1/20W 1K OHM J
RV01	76011101	CHIP, 1/20W 100 OHM J
RV002	76011101	CHIP, 1/20W 100 OHM J
RV003	76011102	CHIP, 1/20W 1K OHM J
RV03	76011101	CHIP, 1/20W 100 OHM J
RV004	76011101	CHIP, 1/20W 100 OHM J
RV005	76011102	CHIP, 1/20W 1K OHM J
RV006	76011101	CHIP, 1/20W 100 OHM J
RV06	76011101	CHIP, 1/20W 100 OHM J
RV007	76011102	CHIP, 1/20W 1K OHM J
RV07	76011562	CHIP, 1/20W 5.6K OHM J
RV008	76011101	CHIP, 1/20W 100 OHM J
RV08	76011101	CHIP, 1/20W 100 OHM J
RV009	76011101	CHIP, 1/20W 100 OHM J
RV09	76011101	CHIP, 1/20W 100 OHM J
RV10	76011101	CHIP, 1/20W 100 OHM J
RV11	76011101	CHIP, 1/20W 100 OHM J
RV12	76011101	CHIP, 1/20W 100 OHM J
RV14	76011562	CHIP, 1/20W 5.6K OHM J
RV15	76011101	CHIP, 1/20W 100 OHM J
RV17	76011101	CHIP, 1/20W 100 OHM J

Location No.	Parts No.	Description
RV19	76011101	CHIP, 1/20W 100 OHM J
RV20	76366750	CARBON FILM, 1/6W 75 OHM J
RV21	76011562	CHIP, 1/20W 5.6K OHM J @U103
	76366750	CARBON FILM, 1/6W 75 OHM J @UV03
RV22	76011101	CHIP, 1/20W 100 OHM J @U103
	76366750	CARBON FILM, 1/6W 75 OHM J @UV03
RV23	76011222	CHIP, 1/20W 2.2K OHM J @U103
	76366101	CARBON FILM, 1/6W 100 OHM J @UV03
RV24	76011222	CHIP, 1/20W 2.2K OHM J
RV32	76011104	CHIP, 1/20W 100K OHM J
RV33	76011104	CHIP, 1/20W 100K OHM J
RV34	76011104	CHIP, 1/20W 100K OHM J
RV35	76011750	CHIP, 1/20W 75 OHM J
RV36	76011750	CHIP, 1/20W 75 OHM J
RV37	76011101	CHIP, 1/20W 100 OHM J
RV38	76011562	CHIP, 1/20W 5.6K OHM J
RV40	76011750	CHIP, 1/20W 75 OHM J
RV41	76011750	CHIP, 1/20W 75 OHM J
RV42	76011750	CHIP, 1/20W 75 OHM J
RV43	76011750	CHIP, 1/20W 75 OHM J
RV61	76011101	CHIP, 1/20W 100 OHM J
RV85	76366471	CARBON FILM, 1/6W 470 OHM J
RV86	76366471	CARBON FILM, 1/6W 470 OHM J
RV89	76011680	CHIP, 1/20W 68 OHM J
RV147	76011101	CHIP, 1/20W 100 OHM J
RV148	76011101	CHIP, 1/20W 100 OHM J
RV323	76011101	CHIP, 1/20W 100 OHM J
RV324	76011101	CHIP, 1/20W 100 OHM J
RV325	76011101	CHIP, 1/20W 100 OHM J
RV330	76011101	CHIP, 1/20W 100 OHM J
RV331	76011101	CHIP, 1/20W 100 OHM J
RV332	76011101	CHIP, 1/20W 100 OHM J
RV333	76011181	CHIP, 1/20W 180 OHM J
RV334	76011103	CHIP, 1/20W 10K OHM J
RV335	76011123	CHIP, 1/20W 12K OHM J
RV346	76011101	CHIP, 1/20W 100 OHM J
RY101	76011101	CHIP, 1/20W 100 OHM J
RY102	76011221	CHIP, 1/20W 220 OHM J
RY103	76011102	CHIP, 1/20W 1K OHM J
RY104	76011102	CHIP, 1/20W 1K OHM J
RY105	76011821	CHIP, 1/20W 820 OHM J
RY106	76000445	CHIP JUMPER, 1608TYPE
RY107	76011222	CHIP, 1/20W 2.2K OHM J
RY109	76011332	CHIP, 1/20W 3.3K OHM J
RY110	76011152	CHIP, 1/20W 1.5K OHM J
RY160	76011471	CHIP, 1/20W 470 OHM J
RY161	76011101	CHIP, 1/20W 100 OHM J
RY501	76011303	CHIP, 1/20W 30K OHM J
RY502	76011103	CHIP, 1/20W 10K OHM J
RY504	76011103	CHIP, 1/20W 10K OHM J
RY505	76011123	CHIP, 1/20W 12K OHM J
RY507	76011102	CHIP, 1/20W 1K OHM J
RY508	76011222	CHIP, 1/20W 2.2K OHM J
RY509	76011472	CHIP, 1/20W 4.7K OHM J
RY510	76011152	CHIP, 1/20W 1.5K OHM J
RY511	76011222	CHIP, 1/20W 2.2K OHM J
RY512	76011222	CHIP, 1/20W 2.2K OHM J
RY513	76011152	CHIP, 1/20W 1.5K OHM J
RY516	76011472	CHIP, 1/20W 4.7K OHM J
RY517	76011472	CHIP, 1/20W 4.7K OHM J
RY518	76011472	CHIP, 1/20W 4.7K OHM J
RY519	76000445	CHIP JUMPER, 1608TYPE
RY520	76011101	CHIP, 1/20W 100 OHM J
RY521	76011101	CHIP, 1/20W 100 OHM J
RY523	76011102	CHIP, 1/20W 1K OHM J
RY524	76011102	CHIP, 1/20W 1K OHM J
RY525	76011222	CHIP, 1/20W 2.2K OHM J
RY526	76011222	CHIP, 1/20W 2.2K OHM J
RY527	76011222	CHIP, 1/20W 2.2K OHM J
RY528	76011222	CHIP, 1/20W 2.2K OHM J
RY529	76011102	CHIP, 1/20W 1K OHM J
RY530	76011102	CHIP, 1/20W 1K OHM J
RY531	76011102	CHIP, 1/20W 1K OHM J
RY532	76011101	CHIP, 1/20W 100 OHM J

Location No.	Parts No.	Description
RY533	76011102	CHIP, 1/20W 1K OHM J
RY534	76011102	CHIP, 1/20W 1K OHM J
RY535	76011330	CHIP, 1/20W 33 OHM J
RY536	76011330	CHIP, 1/20W 33 OHM J
RY541	76011392	CHIP, 1/20W 3.9K OHM J
RY542	76011392	CHIP, 1/20W 3.9K OHM J
RY543	76011152	CHIP, 1/20W 1.5K OHM J
RY545	76011101	CHIP, 1/20W 100 OHM J
RY548	76011102	CHIP, 1/20W 1K OHM J
RY550	76011182	CHIP, 1/20W 1.8K OHM J
RY551	76011182	CHIP, 1/20W 1.8K OHM J
RY552	76011152	CHIP, 1/20W 1.5K OHM J
RY560	76011332	CHIP, 1/20W 3.3K OHM J
RY561	76011471	CHIP, 1/20W 470 OHM J
RY573	76011102	CHIP, 1/20W 1K OHM J
RY575	76011103	CHIP, 1/20W 10K OHM J
RY576	76011123	CHIP, 1/20W 12K OHM J
RY578	76011332	CHIP, 1/20W 3.3K OHM J
RY579	76011102	CHIP, 1/20W 1K OHM J
RY580	76011101	CHIP, 1/20W 100 OHM J
RY582	76011332	CHIP, 1/20W 3.3K OHM J
RY583	76011102	CHIP, 1/20W 1K OHM J
RY584	76011101	CHIP, 1/20W 100 OHM J
RY585	76011103	CHIP, 1/20W 10K OHM J
RY586	76011330	CHIP, 1/20W 33 OHM J
RY587	76011330	CHIP, 1/20W 33 OHM J
RY588	76011330	CHIP, 1/20W 33 OHM J
RY589	76000445	CHIP JUMPER, 1608TYPE
RY590	76011103	CHIP, 1/20W 10K OHM J
RY591	76011101	CHIP, 1/20W 100 OHM J
RY592	76011101	CHIP, 1/20W 100 OHM J
RY593	76011330	CHIP, 1/20W 33 OHM J
RY594	76011330	CHIP, 1/20W 33 OHM J
RY595	76011330	CHIP, 1/20W 33 OHM J
RY596	76000445	CHIP JUMPER, 1608TYPE
G101	76011151	CHIP, 1/20W 150 OHM J
G102	76011151	CHIP, 1/20W 150 OHM J
GA89	76000445	CHIP JUMPER, 1608TYPE
GA90	76000445	CHIP JUMPER, 1608TYPE
GJ105	76000445	CHIP JUMPER, 1608TYPE
GR103	76000445	CHIP JUMPER, 1608TYPE
JR003	76000445	CHIP JUMPER, 1608TYPE
JR004	76000445	CHIP JUMPER, 1608TYPE
JR005	76000445	CHIP JUMPER, 1608TYPE
JR006	76000445	CHIP JUMPER, 1608TYPE
JR007	76000445	CHIP JUMPER, 1608TYPE
JR008	76000445	CHIP JUMPER, 1608TYPE
JR009	76000445	CHIP JUMPER, 1608TYPE
JR010	76000445	CHIP JUMPER, 1608TYPE
JR011	76000445	CHIP JUMPER, 1608TYPE
JR012	76000445	CHIP JUMPER, 1608TYPE
JR013	76000445	CHIP JUMPER, 1608TYPE
JR014	76000445	CHIP JUMPER, 1608TYPE
JR015	76000445	CHIP JUMPER, 1608TYPE
JR016	76000445	CHIP JUMPER, 1608TYPE
JR017	76000445	CHIP JUMPER, 1608TYPE
JR018	76000445	CHIP JUMPER, 1608TYPE
JR019	76000445	CHIP JUMPER, 1608TYPE
COILS & TRANSFORMERS		
L101	23289027	COIL, PEAKING, TRF4680AT
L103	23289026	COIL, PEAKING, TRF4470AT
L840	23289981	COIL, PEAKING, TRF4330AZ
L841	23103304	FERRITE CHOKE, TEM2011AA
L861	23103304	FERRITE CHOKE, TEM2011AA
L862	23103307	FERRITE CHOKE, TEM2014AA
L881	23103304	FERRITE CHOKE, TEM2011AA
L882	23103304	FERRITE CHOKE, TEM2011AA
L883	23103304	FERRITE CHOKE, TEM2011AA
L884	23103304	FERRITE CHOKE, TEM2011AA
L885	23103304	FERRITE CHOKE, TEM2011AA
L886	23103304	FERRITE CHOKE, TEM2011AA
L888	23248446	COIL, CHOKE, TLN3462AH
L890	23248432	COIL, CHOKE, TLN3499AH

Location No.	Parts No.	Description
L891	23248432	COIL, CHOKE, TLN3499AH
L892	23248432	COIL, CHOKE, TLN3499AH
L893	23248417	COIL, CHOKE, TLN3481AH
L895	23248432	COIL, CHOKE, TLN3499AH
L896	23289981	COIL, PEAKING, TRF4330AZ
L8210	23289981	COIL, PEAKING, TRF4330AZ
L8211	23248456	COIL, CHOKE, TLN3540AH
L8213	23248417	COIL, CHOKE, TLN3481AH
L8930	23248432	COIL, CHOKE, TLN3499AH
L8931	23248432	COIL, CHOKE, TLN3499AH
L8940	23248432	COIL, CHOKE, TLN3499AH
L8941	23248432	COIL, CHOKE, TLN3499AH
LV13	23246662	COIL, CHIP, TRF4100CN
LV20	23221156	COIL, PEAKING, TRF4560AJ
LY012	23246662	COIL, CHIP, TRF4100CN
LY100	23246656	COIL, CHIP, TRF4330CG
LY101	23248398	COIL, CHOKE, TLN3278D @U101
	23103827	INDUCTOR, BEAD, TEM2120M @U103
LY102	23221144	COIL, PEAKING, TRF4229AJ @U101
	23103827	INDUCTOR, BEAD, TEM2120M @U103
LY103	23221144	COIL, PEAKING, TRF4229AJ @U101
	23103230	INDUCTOR, BEAD, TEM2134AD @U103
LY104	23246653	COIL, CHIP, TRF4150CG
LY105	23246655	COIL, CHIP, TRF4270CG
LY112	23103230	INDUCTOR, BEAD, TEM2134AD
LY501	23246662	COIL, CHIP, TRF4100CN
LY503	23246662	COIL, CHIP, TRF4100CN
⚠ T801	23211827	COIL, LINE FILTER, TRF3239AH
⚠ T802	23211836	COIL, LINE FILTER, TRF3197AH
⚠ T840	23217790	TRANSFORMER, CONVERTER, TPW3425BH
⚠ T862	23217682	TRANSFORMER, CONVERTER, TPW3553AS
M802A	23103839	FERRITE CORE, TFE1012
M811A	23103778	FERRITE CORE, TFE1008
M905A	23103778	FERRITE CORE, TFE1008
MB91A	23103840	FERRITE CORE, TFE1013
ZB22B	23103840	FERRITE CORE, TFE1013
SEMICONDUCTORS		
Q151	23205346	TRANSISTOR, KTA2014Y/P
Q152	23205347	TRANSISTOR, KTC4075Y/P
Q172	23205347	TRANSISTOR, KTC4075Y/P
Q601	23009603	IC, AN7580
Q612	23205346	TRANSISTOR, KTA2014Y/P
Q613	23205347	TRANSISTOR, KTC4075Y/P
Q614	23205426	TRANSISTOR, KRC106S/P
Q661	23205424	TRANSISTOR, KTC2875B/P
Q662	23205424	TRANSISTOR, KTC2875B/P
Q663	23085575	IC, OP AMP, BA4558
Q664	23205428	TRANSISTOR, KRA104S/P
Q681	23205424	TRANSISTOR, KTC2875B/P
Q682	23205424	TRANSISTOR, KTC2875B/P
Q801	23135069	IC, STRF6268S
Q840	23085559	IC, MIP280
⚠ Q841	23000823	IC, PHOTO COUPLER, TLP421F(GR)
⚠ Q842	23000823	IC, PHOTO COUPLER, TLP421F(GR)
Q845	23205499	TRANSISTOR, KTC3198 Y/P
Q846	23205499	TRANSISTOR, KTC3198 Y/P
Q847	23205499	TRANSISTOR, KTC3198 Y/P
⚠ Q862	23000823	IC, PHOTO COUPLER, TLP421F(GR)
Q881	23085389	IC, NJM431L
Q8200	23085050	IC, SI-3120J(LF1101)
Q8210	23085397	IC, SI-8033SS
Q8220	23135077	IC, SI-3090CA
Q8240	23085821	IC, ADJ REG. VO=1.5V-16.0V BA7810T-V5
Q8250	23085377	IC, PQ5EV3J0000H
Q8251	23085600	IC, PST9129
Q8901	23205499	TRANSISTOR, KTC3198 Y/P
Q8902	23205499	TRANSISTOR, KTC3198 Y/P
Q8904	23205497	TRANSISTOR, KTA1266 Y/P
Q8911	23205499	TRANSISTOR, KTC3198 Y/P
Q8912	23205499	TRANSISTOR, KTC3198 Y/P
Q8930	23009998	IC, BA00JC5WT-V5
Q8940	23009998	IC, BA00JC5WT-V5
Q8950	23085503	IC, OPE AMP, TA75358P

Location No.	Parts No.	Description
QA81	23205329	TRANSISTOR, RN1404(F)
QA82	23205329	TRANSISTOR, RN1404(F)
QA83	23205329	TRANSISTOR, RN1404(F)
QA84	23205329	TRANSISTOR, RN1404(F)
QA85	23205329	TRANSISTOR, RN1404(F)
QA86	23205329	TRANSISTOR, RN1404(F)
QA87	23205329	TRANSISTOR, RN1404(F)
QA88	23205329	TRANSISTOR, RN1404(F)
QA91	23085674	IC, QT240-ISS-G-CA
QA92	23085674	IC, QT240-ISS-G-CA
QA93	23085731	IC, +4.2V 2% REG. SOT-23-5 R1121N421B-TR-FA
QA94	23085067	IC, R1121N331B-TR-FA
QB81	23205446	TRANSISTOR, 2SC2412K, Q T146
QB83	23085867	IC, DUAL COMPARATOR BA10393F-E2
QB84	23205446	TRANSISTOR, 2SC2412K, Q T146
QS01	23009916	IC, MM1631AJBE
QS02	23205506	TRANSISTOR, 2SC4081 Q
QS03	23205506	TRANSISTOR, 2SC4081 Q
QS04	23205506	TRANSISTOR, 2SC4081 Q
QS05	23205428	TRANSISTOR, KRA104S/P
QS06	23205424	TRANSISTOR, KTC2875B/P
QS07	23205424	TRANSISTOR, KTC2875B/P
QV01	23009940	IC, MM1630AQ
QV004	23205506	TRANSISTOR, 2SC4081 Q
QV005	23205506	TRANSISTOR, 2SC4081 Q
QV006	23205506	TRANSISTOR, 2SC4081 Q
QV007	23205506	TRANSISTOR, 2SC4081 Q
QV008	23205506	TRANSISTOR, 2SC4081 Q
QV009	23205305	TRANSISTOR, 2SC4667-O(F)
QV48	23205499	TRANSISTOR, KTC3198 Y/P
QV91	23205507	TRANSISTOR, 2SA1576A Q
QY100	23085570	IC, TC90A45F
QY101	23205506	TRANSISTOR, 2SC4081 Q
QY102	23205506	TRANSISTOR, 2SC4081 Q
QY103	23205507	TRANSISTOR, 2SA1576A Q
QY160	23205347	TRANSISTOR, KTC4075Y/P
QY501	23009929	IC, TA1383FG(DRY,EL)
QY502	23205305	TRANSISTOR, 2SC4667-O(F)
QY503	23205507	TRANSISTOR, 2SA1576A Q
QY504	23205507	TRANSISTOR, 2SA1576A Q
QY506	23205506	TRANSISTOR, 2SC4081 Q
QY507	23205506	TRANSISTOR, 2SC4081 Q
QY508	23205506	TRANSISTOR, 2SC4081 Q
QY509	23205506	TRANSISTOR, 2SC4081 Q
QY511	23205507	TRANSISTOR, 2SA1576A Q
QY512	23205507	TRANSISTOR, 2SA1576A Q
QY513	23205507	TRANSISTOR, 2SA1576A Q
QY514	23205507	TRANSISTOR, 2SA1576A Q
QY515	23205507	TRANSISTOR, 2SA1576A Q
QY516	23205507	TRANSISTOR, 2SA1576A Q
QY518	23205506	TRANSISTOR, 2SC4081 Q
QY522	23205506	TRANSISTOR, 2SC4081 Q
D601	23357703	DIODE, 1SS355
D602	23357703	DIODE, 1SS355
D603	23357703	DIODE, 1SS355
D604	23357703	DIODE, 1SS355
D605	23357703	DIODE, 1SS355
D606	23357703	DIODE, 1SS355
D607	23357703	DIODE, 1SS355
D608	23357703	DIODE, 1SS355
D609	23357703	DIODE, 1SS355
D611	23357703	DIODE, 1SS355
D612	23357703	DIODE, 1SS355
D613	23357703	DIODE, 1SS355
D614	23357703	DIODE, 1SS355
D615	23357703	DIODE, 1SS355
D616	23357703	DIODE, 1SS355
D617	23357703	DIODE, 1SS355
D628	23357771	DIODE, ZENER, MA8120-M
D801	23357712	DIODE, D5SB60, 4009 F05
D840	23362046	DIODE, LN1WBA60 4101
D841	23357838	DIODE, ZENER, MTZJ5.6C
D842	23357830	DIODE, ZENER, MTZJ4.7A
D843	23357366	DIODE, FR105-B5

Location No.	Parts No.	Description
D844	23357838	DIODE, ZENER, MTZJ5.6C
D845	23357697	DIODE, 1SS133
D846	23357684	DIODE, ZENER, RD3.0ESA B2
D847	23357684	DIODE, ZENER, RD3.0ESA B2
D848	23357697	DIODE, 1SS133
D849	23357697	DIODE, 1SS133
D850	23357622	DIODE, ZENER, RD11ESA B3
D861	23357837	DIODE, ZENER, MTZJ5.6B
D863	23357697	DIODE, 1SS133
D864	23357366	DIODE, FR105-B5
D865	23357697	DIODE, 1SS133
D866	23357709	DIODE, RU1P
D867	23357900	DIODE, ZENER, MTZJ33B
D883	23357702	DIODE, FML-G12S
D884	23357366	DIODE, FR105-B5
D885	23357860	DIODE, RL2Z
D886	23357408	DIODE, FMX-12S(023-108)
D887	23357911	DIODE, FMB-26L
D888	23362113	DIODE, FML-G22S
D894	23357841	DIODE, ZENER, MTZJ6.8A
D895	23357841	DIODE, ZENER, MTZJ6.8A
D896	23357841	DIODE, ZENER, MTZJ6.8A
D897	23357841	DIODE, ZENER, MTZJ6.8A
D898	23357841	DIODE, ZENER, MTZJ6.8A
⚠ D899	76019485	VARISTOR, TNR10V431K
D8200	23357697	DIODE, 1SS133
D8210	23357519	DIODE, RK44,
D8211	23357831	DIODE, ZENER, MTZJ4.7B
D8902	23357697	DIODE, 1SS133
D8903	23357697	DIODE, 1SS133
D8904	23357838	DIODE, ZENER, MTZJ5.6C
D8905	23357838	DIODE, ZENER, MTZJ5.6C
D8911	23357838	DIODE, ZENER, MTZJ5.6C
D8912	23357838	DIODE, ZENER, MTZJ5.6C
D8913	23357838	DIODE, ZENER, MTZJ5.6C
D8914	23357697	DIODE, 1SS133
D8915	23357697	DIODE, 1SS133
D8922	23357639	DIODE, ZENER, RD5.6ESA B1
D8930	23357697	DIODE, 1SS133
D8931	23357697	DIODE, 1SS133
D8940	23357697	DIODE, 1SS133
D8941	23357697	DIODE, 1SS133
D8950	23357637	DIODE, ZENER, RD5.6ESA B3
D8951	23357637	DIODE, ZENER, RD5.6ESA B3
DA91	23357406	DIODE, ZENER, UDZS5.6B
DA92	23357406	DIODE, ZENER, UDZS5.6B
DB03	23358615	DIODE, LED INFRARED, SIR-56SB3F
DB81	23358584	DIODE, LED, SML-811UTT86
DB82	23358585	LED, LAMP, SML-810MTT86
DV07	23357751	DIODE, ZENER, MA8068-M
DV14	23357751	DIODE, ZENER, MA8068-M

MISCELLANEOUS

A305	23717197	SCREW, THUMB SCREW
A306	23717198	SCREW, THUMB SCREW RETAINER
A516	23717192	SCREW, SCREW, AV BOARD
B112	23059129	PIECE COVER
B209	23738088	SCREW, BTBW3X12ECO
B214	23965241	TAPE, CC #12 10MM L30M
B215	23965241	TAPE, CC #12 10MM L30M
B231	23738088	SCREW, BTBW3X12ECO
B235	23845856	CLAMP, WIRE, POF COAT) L=70MM
BB10	23713014	PLUG, B-B 16P 1.5
BB11	23713013	SOCKET, B-B 16P 1.5
BB20	23713014	PLUG, B-B 16P 1.5
BB21	23713013	SOCKET, B-B 16P 1.5
BB70	23713810	PLUG , TAC-A46P-B1
BB71	23903245	SOCKET, B-B 46P, TAC-A46X-B1
⚠ F801	23144319	FUSE, CARTRIDGE, 125V 8A, 5.2X20
F801A	23165433	FUSE HOLDER, 5.2
⚠ F840	23144704	FUSE, AXIAL 125V 200MA
⚠ F860	23144714	FUSE, AXIAL 125V 4.0A
⚠ F880	23144714	FUSE, AXIAL 125V 4.0A
⚠ F881	23144706	FUSE, AXIAL 125V 500MA

Location No.		Parts No.	Description
⚠ F882		23144714	FUSE, AXIAL 125V 4.0A
⚠ F883		23144715	FUSE, AXIAL 125V 5.0A
⚠ F884		23144715	FUSE, AXIAL 125V 5.0A
⚠ F899		23144326	FUSE, CARTRIDGE, 250V 2A, 5.2X20
F899A		23165433	FUSE HOLDER, 5.2
⚠ F8210		23144709	FUSE, AXIAL 125V 1.5A
H002	#1	23148378	IF MODULE, US BUFFER 6M TRAP, MVUS51A
	#2	23148379	IF MODULE, US VSD BUFFER 6MTRAP, MVUS52A
	#3	23148379	IF MODULE, US VSD BUFFER 6MTRAP, MVUS52A
H003		23124099	ANTENNA SWITCH, RSU135X1, 2I3O BUNPAI US
H003A		23747055	NUT, F-CONNECTOR 2H BS
J601A		23171400	WIRE, PVC, SOLDER-PLATED 300V 7/16 BRN UL CSA
JR001		23103239	INDUCTOR, BEAD, TEM2143AD
JR002		23103239	INDUCTOR, BEAD, TEM2143AD
MA01		23389271	CABLE, FFC P1.25-15-98
MV01		23368931	CABLE, MDR 26P 300MM 3M 79162-26M-030-011F
MV04		23389270	CABLE, FFC P1.25-26-140
MX18		23389272	CABLE, FFC P1.25-11-365
MX19		23389273	CABLE, FFC P1.25-17-410
P105		23713755	PLUG, 4P 2.5MM G, B4B-EH-F1-TV4
P800		23713702	PLUG, 2P 11.88MM W VT
P800A		23103840	FERRITE CORE, TFE1013
⚠ P801		23372117	POWER CORD, U/C 125V10A HSV 5 CMC-02P 5
P805		23164965	CONNECTOR, PLUG 4P, W-P3504-#02
P811A		23713713	PLUG, 2P 3.96MM VH
P891		23713759	PLUG, 8P 2.5MM G, B8B-EH-F1-TV4
P892		23713764	PLUG, 13P
P901		23713754	PLUG, 3P 2.5MM G, B3B-EH-F1-TV4
P902A		23164563	CONNECTOR, PLUG 3P
P903		23713755	PLUG, 4P 2.5MM G, B4B-EH-F1-TV4
P906		23713761	PLUG, NP 2.5MM G, B10B-EH-F1A
P907		23713763	PLUG, NP 2.5MM G, B12B-EH-F1A
PA01		23713240	CONNECTOR, 15FE-BT-VK-N JST
PB22		23713755	PLUG, 4P 2.5MM G, B4B-EH-F1-TV4
PJ60		23713756	PLUG, 5P 2.5MM G, B5B-EH-F1-TV4
PJ61		23713762	PLUG, NP 2.5MM G, B11B-EH-F1A
PJ63		23713756	PLUG, 5P 2.5MM G, B5B-EH-F1-TV4
PJ64		23713757	PLUG, 6P 2.5MM G, B6B-EH-F1-TV4
PV01		23023311	JACK, PIN 2S6P, LAP5030-0111GC
PV02		23023205	JACK, PIN 10P SMK KARI2 @U103
		23023184	JACK, 1S3P, LAP5100-1502F @UV03
PV03	#1	23023211	JACK, PIN 7P SMK KARI04
	#2	23023210	JACK, PIN 9P SMK LAP5030-0402F
	#3	23023210	JACK, PIN 9P SMK LAP5030-0402F
PV04		23713282	CONNECTOR, 26FE-ST-VK-N
PV13		23713760	PLUG, NP 2.5MM G, B9B-EH-F1A
PV14		23713781	PLUG, 8P 2.5MM W, S8B-EH
PX18		23713270	CONNECTOR, 11FE-ST-VK-N
PX19		23713110	CONNECTOR, FE-ST-VK-N 17P JST
Q825B		23738088	SCREW, BTBW3X12ECO
Q893B		23717241	SCREW, BITTB3X8ECO
Q894B		23717241	SCREW, BITTB3X8ECO
⚠ S810		23344522	SWITCH, SPVF11
⚠ SR81		23146588	RELAY, DLS5D1-O(M) 0.15W
⚠ SR82		23146584	RELAY, DC12V, TV5, DG-3
W661		23351244	SPEAKER, SPBOX(L) 8-OHM 20W SPK-1455AM
W662		23351245	SPEAKER, SPBOX(R) 8-OHM 20W SPK-1456AM
XY501		23153607	CRYSTAL, 3.58MHZ
XY502		23153721	CERAMIC RESONATOR, 503KHZ

PC BOARD ASSEMBLIES

✻ U101	#1	23764145	PC BOARD ASSY, IF AUDIO ACIN PU PD1775D
✻	#2	23764163	PC BOARD ASSY, IF AUD ACIN PU PD1775E
✻	#3	23764163	PC BOARD ASSY, IF AUD ACIN PU PD1775E
✻ U103	#1	23764144	PC BOARD ASSY, BACK AV PU PD1774C
✻	#2	23764162	PC BOARD ASSY, BACK AV PU PD1774D
✻	#3	23764162	PC BOARD ASSY, BACK AV PU PD1774D
✻ U802		23764201	PC BOARD ASSY, MAIN POWER PU PD2128A-1
✻ UA02		23764202	PC BOARD ASSY, REMORT SENS PU PD2128A-3
✻ UA03		23764203	PC BOARD ASSY, DOOR SW PU PD2128A-4
✻ UA06		23764199	PC BOARD ASSY, FRONT KEY PD2072H
✻ UD02	#1	23148440	PC BOARD SCALER B910PD2208C1
✻	#2	23148441	PC BOARD SCALER B910PD2208D1
✻	#3	23148442	PC BOARD SCALER B910PD2208E1

Location No.		Parts No.	Description
✻ UV02	#1	23148418	SCAN CONVERTER MODULE, 03DVI, MHDM01A
✻	#2	23148376	SCAN CONVERTER MODULE, 03DVI-2, MHDM02
✻	#3	23148376	SCAN CONVERTER MODULE, 03DVI-2, MHDM02
✻ UV03		23764204	PC BOARD ASSY, FRONT AV PU PD2128A-2
TUNER			
⚠ H001		23321482	TUNER, US181CH IIC PH 5V PANA ELA52LX5
⚠ HY01		23321480	TUNER, TIF US IIC PH 181CH 5V ENG36A18GF
ACCESSORIES			
A701	#1	23015122	CARTON, CARTON
	#2	23067700	CARTON, CARTON
	#3	23067701	CARTON, CARTON
A703	#1	23946773	PACKING, TOP PACKING
	#2	23946771	PACKING, TOP PACKING
	#3	23946772	PACKING, TOP PACKING
A708	#1	23946768	PACKING, BOTTOM PACKING
	#2	23946768	PACKING, BOTTOM PACKING
	#3	23946769	PACKING, BOTTOM PACKING
A709	#1	23067696	CARTON, BASE TRAY
	#2	23067694	CARTON, BASE TRAY
	#3	23067695	CARTON, BASE TRAY
A710	#1	23946776	PACKING, SUPPORT POST
	#2	23946774	PACKING, SUPPORT POST
	#3	23946775	PACKING, SUPPORT POST
⚠ K912		23306599	REMOCON HAND UNIT, CT-90164
KB01		23000852	REMOCON RECEIVER, PIC-37043TE2
Y101	#1	23566686	OWNERS MANUAL, ENGLISH/FRENCH
⚠ Y101E	#2	23566642	OWNERS MANUAL, ENGLISH/FRENCH
⚠	#3	23566642	OWNERS MANUAL, ENGLISH/FRENCH
Y102		23589650	SHEET, IMPORTANT NOTES
CABINET PARTS			
⚠ A025		23532769	COVER, LAMP TUNNEL PURCHASE ASY
⚠ A026		23533363	COVER, DOOR LAMP PURCHASE
⚠ A101		23533280	COVER, BASE PURCHASE ASSEY
A184		23469392	INSULATOR, 05_LENS_GASKET
⚠ A201	#1	23533580	COVER, BEZEL PURCHASE ASSY
⚠	#2	23533335	COVER, BEZEL PURCHASE ASM
⚠	#3	23533339	COVER, BEZEL PURCHASE ASM
⚠ A205	#1	23533605	COVER, BACKCOVER PURCHASE ASSY
⚠	#2	23533337	COVER, BACK COVER PURCHASE
⚠	#3	23533341	COVER, BACK COVER PURCHASE
A215		23940083	PIECE, PIECE ENCLOSURE,DLE
A220		23451976	PUSH CATCH, CLICK
⚠ A222	#1	23533521	COVER, PEDESTAL ASSY
⚠	#2	23533521	COVER, PEDESTAL ASSY
⚠	#3	23533523	COVER, PEDESTAL ASSY
A224	#1	23433357	DECORATIVE, DECO TRIM ALUM
	#2	23433357	DECORATIVE, DECO TRIM ALUM
	#3	23433358	DECORATIVE, DECO TRIM ALUM
A225		23940084	PIECE, STRIKER
A227	#1	23433344	DECORATIVE, CTRL PANEL TRIM
	#2	23433344	DECORATIVE, CTRL PANEL TRIM
	#3	23433346	DECORATIVE, CTRL PANEL TRIM
A231	#3	23940466	PIECE, PIECE SIDE RIGHT
A232	#3	23940467	PIECE, PIECE SIDE LEFT
⚠ A271	#1	23405473	OPTICAL ENGINE, LV-672 TB 0A
⚠	#2	23405474	OPTICAL ENGINE, LV-672 TB 0B
⚠	#3	23405476	OPTICAL ENGINE, LV-672 TB 0D
A278		23084267	BRACKET, SPEED CLIP
A329	#1	23433356	DECORATIVE, DECO FRAME, BEZEL
	#2	23433355	DECORATIVE, DECO FRAME, BEZEL
	#3	23433359	DECORATIVE, SCREEN DECO FRAME
A333		23450863	PANEL, A/V MOUNT PURCHASE
⚠ A401		23533334	COVER, REAR COVER PURCHASE
A421		23533367	COVER, REAR COVER, DLE
A422		23084862	BRACKET, REAR VENT
E998Z		23311153	EXCHANGE LAMP, PJ-D95-LMP
K501	#1	23311135	SCREEN, 46K5M LENTICULAR SHEET
	#2	23311133	SCREEN, 52K5M LENTICULAR SHEET
	#3	23311137	SCREEN, 62K5M LENTICULAR SHEET
K502	#1	23311075	SCREEN, 46K4M FRESNEL SHEET
	#2	23311072	SCREEN, 52K4M FRESNEL SHEET
	#3	23311081	SCREEN, 62K4MF FRESNEL SHEET
K601	#1	23405454	MIRROR, 46G4M3
	#2	23405453	MIRROR, 52G4M3
	#3	23405455	MIRROR, 62G4M3
SK01		23587525	SERVICE KIT, LAMP FAN
SK02		23587526	SERVICE KIT, DMD FAN
SK03		23587527	SERVICE KIT, BALLAST FAN
SK04		23587528	SERVICE KIT, THERMOSTAT
SK06		23587536	SERVICE KIT, B TO F CABLE
SK08		23587538	SERVICE KIT, S TO F CABLE
SK09		23587539	SERVICE KIT, FAN TRANSFER CABLE

TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN

CHASSIS AND CABINET REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE. Do not degrade the safety of the receiver through improper servicing.

NOTICE:

The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.

The PC board assembly with ∗ mark is no longer available after the end of the production.

Model : 52HM85/62HM85

Capacitors	CD	: Ceramic Disk	PF	: Plastic Film	EL	: Electrolytic
Resistors	CF	: Carbon Film	CC	: Carbon Composition	MF	: Metal Film
	OMF	: Oxide Metal Film	VR	: Variable Resistor	FR	: Fusible Resistor

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

Location No.	Parts No.	Description
#1 : [52HM85]		
#2 : [62HM85]		
CAPACITORS		
C101	76797339	ELECTROLYTIO, 50V 3.3UF M
C102	76665221	ELECTROLYTIC, 10V 220UF M 3A
C105	76100102	CERAMIC CHIP, 50V F 1000PF Z
C106	76669479	ELECTROLYTIC, 50V 4.7UF M
C107	76666221	ELECTROLYTIC, 16V 220UF M
C108	76665221	ELECTROLYTIC, 10V 220UF M 3A
C109	76100104	CERAMIC CHIP, 25V F 0.1UF Z
C110	76794101	ELECTROLYTIC, 16V 100UF M
C601	76109122	CERAMIC CHIP, 50V B 1200PF K
C602	76109122	CERAMIC CHIP, 50V B 1200PF K
C603	76073084	ELECTROLYTIC, 50V 4.7UF M 3A
C604	76073084	ELECTROLYTIC, 50V 4.7UF M 3A
C605	76073086	ELECTROLYTIC, 50V 10UF M 3A
C606	76073086	ELECTROLYTIC, 50V 10UF M 3A
C607	76073053	ELECTROLYTIC, 25V 100UF M 3A
C608	76073086	ELECTROLYTIC, 50V 10UF M 3A
C612	76073054	ELECTROLYTIC, 25V 220UF M 3A
C621	76109822	CERAMIC CHIP, 50V B 8200PF K
C622	76109822	CERAMIC CHIP, 50V B 8200PF K
C661	76073084	ELECTROLYTIC, 50V 4.7UF M 3A
C662	76073086	ELECTROLYTIC, 50V 10UF M 3A
C663	76073086	ELECTROLYTIC, 50V 10UF M 3A
C665	76109103	CERAMIC CHIP, 50V B 0.01UF K
C666	76073084	ELECTROLYTIC, 50V 4.7UF M 3A
C667	76794100	ELECTROLYTIC, 16V 10UF M
C668	76105560	CERAMIC CHIP, 50V CH 56PF J
C669	76105560	CERAMIC CHIP, 50V CH 56PF J
C680	76073073	ELECTROLYTIC, 35V 2200UF M 3A
C681	76109103	CERAMIC CHIP, 50V B 0.01UF K
C682	76073082	ELECTROLYTIC, 50V 2.2UF M 3A
C683	76073053	ELECTROLYTIC, 25V 100UF M 3A
C684	76795470	ELECTROLYTIC, 25V 47UF M
⚠ C801	76503004	PLASTIC FILM, AC275V 0.47UF M
⚠ C803	76503002	PLASTIC FILM, AC275V 0.22UF M
C805	76092281	CERAMIC DISC, AC250V E 4700PF
C809	76086067	CHEMICON 200V 102M LGQ2D102MESHTL
C810	76086067	CHEMICON 200V 102M LGQ2D102MESHTL
⚠ C811	76092557	CERAMIC DISC, AC250V E 2200PF M
⚠ C812	76092557	CERAMIC DISC, AC250V E 2200PF M
⚠ C814	76092553	CERAMIC DISC, AC250V B 470PF K
⚠ C816	76092555	CERAMIC DISC, AC250V E 1000PF M
C840	76679220	ELECTROLYTIC, 250V 22UF M 3A

Location No.	Parts No.	Description
C841	76073043	ELECTROLYTIC, 16V 2200UF M 3A
C842	76503041	PLASTIC FILM , 63V 0.1UF J
C843	76092333	CERAMIC DISC, 2KV 100PF K
C845	76073082	ELECTROLYTIC, 50V 2.2UF M 3A
C848	76073039	ELECTROLYTIC, 16V 220UF M 3A
C861	76092342	CERAMIC DISC, 2KV R 560PF K
C862	76503045	PLASTIC FILM, 63V 0.22UF J
C863	76212221	CERAMIC DISC, 50V B 220PF K
C864	76590681	PLASTIC FILM, 50V 680PF J
C865	76073063	ELECTROLYTIC, 35V 4.7UF M 3A
C866	76820223	PLASTIC FILM, 630V 0.022UF J
C868	76073068	ELECTROLYTIC, 35V 100UF M 3A
C883	76567104	PLASTIC FILM, 50V 0.1UF J
C884	76214331	CERAMIC DISC, 500V B 330PF K
C885	76073191	ELECTROLYTIC, 35V 1500UF M 3A
C886	76214331	CERAMIC DISC, 500V B 330PF K
C887	76676470	ELECTROLYTIC, 100V 47UF M 3A
C888	76214331	CERAMIC DISC, 500V B 330PF K
C889	76073171	ELECTROLYTIC, 25V 820UF M 3A
C890	76214331	CERAMIC DISC, 500V B 330PF K
C891	76073161	ELECTROLYTIC, 16V 3900UF M 3A
C892	76214331	CERAMIC DISC, 500V B 330PF K
C893	76073173	ELECTROLYTIC, 10V 3900UF M 3A
C894	76214331	CERAMIC DISC, 500V B 330PF K
C895	76073075	ELECTROLYTIC, 35V 4700UF M 3A
C898	76503041	PLASTIC FILM , 63V 0.1UF J
C8200	76073067	ELECTROLYTIC, 35V 47UF M 3A
C8201	76503047	PLASTIC FILM, 63V 0.33UF J
C8202	76073169	ELECTROLYTIC, 25V 470UF M 3A
C8210	76073172	ELECTROLYTIC, 25V 1000UF M 3A
C8211	76503041	PLASTIC FILM , 63V 0.1UF J
C8212	76214221	CERAMIC DISC, 500V B 220PF K
C8213	76503041	PLASTIC FILM , 63V 0.1UF J
C8214	76617006	ELECTROLYTIC, 25V 820UF M
C8215	76073138	ELECTROLYTIC, 10V 220UF M 3A
C8220	76073068	ELECTROLYTIC, 35V 100UF M 3A
C8221	76073169	ELECTROLYTIC, 25V 470UF M 3A
C8224	76073087	ELECTROLYTIC, 50V 22UF M 3A
C8225	76073141	ELECTROLYTIC, 10V 1000UF M 3A
C8240	76073038	ELECTROLYTIC, 16V 100UF M 3A
C8241	76503047	PLASTIC FILM, 63V 0.33UF J
C8242	76073141	ELECTROLYTIC, 10V 1000UF M 3A
C8250	76073141	ELECTROLYTIC, 10V 1000UF M 3A
C8251	76567334	PLASTIC FILM, 50V 0.33UF J
C8252	76073141	ELECTROLYTIC, 10V 1000UF M 3A
C8253	76669339	ELECTROLYTIC, 50V 3.3UF M

Location No.	Parts No.	Description
C8905	76073002	ELECTROLYTIC, 6.3V 220UF M 3A
C8911	76503047	PLASTIC FILM, 63V 0.33UF J
C8912	76503047	PLASTIC FILM, 63V 0.33UF J
C8921	76073141	ELECTROLYTIC, 10V 1000UF M 3A
C8930	76073067	ELECTROLYTIC, 35V 47UF M 3A
C8931	76503047	PLASTIC FILM, 63V 0.33UF J
C8932	76073152	ELECTROLYTIC, 16V 330UF M 3A
C8933	76073069	ELECTROLYTIC, 35V 220UF M 3A
C8940	76073067	ELECTROLYTIC, 35V 47UF M 3A
C8941	76503047	PLASTIC FILM, 63V 0.33UF J
C8942	76073152	ELECTROLYTIC, 16V 330UF M 3A
C8943	76073069	ELECTROLYTIC, 35V 220UF M 3A
CA81	76109333	CERAMIC CHIP, 25V B 0.033UF K
CA82	76109123	CERAMIC CHIP, 50V B 0.012UF K
CA83	76109103	CERAMIC CHIP, 50V B 0.01UF K
CA84	76109333	CERAMIC CHIP, 25V B 0.033UF K
CA85	76109273	CERAMIC CHIP, 25V B 0.027UF K
CA86	76109123	CERAMIC CHIP, 50V B 0.012UF K
CA87	76109123	CERAMIC CHIP, 50V B 0.012UF K
CA88	76109333	CERAMIC CHIP, 25V B 0.033UF K
CA91	76092730	CERAMIC CHIP, 16V B 0.1UF K
CA92	76092730	CERAMIC CHIP, 16V B 0.1UF K
CA93	76619040	ELECTROLYTIC CHIP, 16V 10UF M 3A
CA94	76619040	ELECTROLYTIC CHIP, 16V 10UF M 3A
CA95	76092730	CERAMIC CHIP, 16V B 0.1UF K
CA96	76092730	CERAMIC CHIP, 16V B 0.1UF K
CA914	76619040	ELECTROLYTIC CHIP, 16V 10UF M 3A
CA915	76092730	CERAMIC CHIP, 16V B 0.1UF K
CA916	76092730	CERAMIC CHIP, 16V B 0.1UF K
CB01	76794470	ELECTROLYTIC, 16V 47UF M
CB81	76092730	CERAMIC CHIP, 16V B 0.1UF K
CB82	76092730	CERAMIC CHIP, 16V B 0.1UF K
CB83	76092730	CERAMIC CHIP, 16V B 0.1UF K
CB99	76092730	CERAMIC CHIP, 16V B 0.1UF K
CS01	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS02	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS03	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS04	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS05	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS06	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS07	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS08	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS09	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS10	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS11	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS12	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS13	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS14	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS15	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS16	76092795	CERAMIC CHIP, 6.3V B 2.2UF K
CS25	76109103	CERAMIC CHIP, 50V B 0.01UF K
CS26	76794470	ELECTROLYTIC, 16V 47UF M
CS27	76794220	ELECTROLYTIC, 16V 22UF M
CS28	76794100	ELECTROLYTIC, 16V 10UF M
CS29	76794100	ELECTROLYTIC, 16V 10UF M
CS30	76794100	ELECTROLYTIC, 16V 10UF M
CV01	76092621	CERAMIC CHIP, 10V B 1UF K
CV02	76092621	CERAMIC CHIP, 10V B 1UF K
CV03	76092621	CERAMIC CHIP, 10V B 1UF K
CV04	76100104	CERAMIC CHIP, 25V F 0.1UF Z
CV05	76092621	CERAMIC CHIP, 10V B 1UF K
CV06	76092621	CERAMIC CHIP, 10V B 1UF K
CV10	76100104	CERAMIC CHIP, 25V F 0.1UF Z
CV11	76092621	CERAMIC CHIP, 10V B 1UF K
CV13	76100104	CERAMIC CHIP, 25V F 0.1UF Z @U103
	76794100	ELECTROLYTIC, 16V 10UF M @UV03
CV14	76092621	CERAMIC CHIP, 10V B 1UF K @U103
	76232103	CERAMIC DISC, 50V F 0.01UF Z @UV03
CV15	76100104	CERAMIC CHIP, 25V F 0.1UF Z @U103
	76232103	CERAMIC DISC, 50V F 0.01UF Z @UV03
CV27	76762471	ELECTROLYTIC, 10V 470UF M
CV29	76763101	ELECTROLYTIC, 16V 100UF M
CV30	76092730	CERAMIC CHIP, 16V B 0.1UF K
CV38	76109102	CERAMIC CHIP, 50V B 1000PF K
CV39	76109102	CERAMIC CHIP, 50V B 1000PF K
CV47	76092621	CERAMIC CHIP, 10V B 1UF K

Location No.	Parts No.	Description
CV70	76794101	ELECTROLYTIC, 16V 100UF M
CV71	76092621	CERAMIC CHIP, 10V B 1UF K
CV72	76794220	ELECTROLYTIC, 16V 22UF M
CV245	76092621	CERAMIC CHIP, 10V B 1UF K
CV246	76092621	CERAMIC CHIP, 10V B 1UF K
CV247	76092621	CERAMIC CHIP, 10V B 1UF K
CV249	76092621	CERAMIC CHIP, 10V B 1UF K
CV250	76092621	CERAMIC CHIP, 10V B 1UF K
CV251	76092621	CERAMIC CHIP, 10V B 1UF K
CV253	76092621	CERAMIC CHIP, 10V B 1UF K
CV254	76092621	CERAMIC CHIP, 10V B 1UF K
CV255	76092621	CERAMIC CHIP, 10V B 1UF K
CY101	76092441	CERAMIC CHIP, 16V F 1UF Z
CY102	76665221	ELECTROLYTIC, 10V 220UF M 3A @U101
	76794101	ELECTROLYTIC, 16V 100UF M @U103
CY103	76100104	CERAMIC CHIP, 25V F 0.1UF Z
CY104	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY105	76100102	CERAMIC CHIP, 50V F 1000PF Z @U101
	76109103	CERAMIC CHIP, 50V B 0.01UF K @U103
CY106	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY107	76794100	ELECTROLYTIC, 16V 10UF M
CY108	76100104	CERAMIC CHIP, 25V F 0.1UF Z
CY109	76105101	CERAMIC CHIP, 50V CH 100PF J
CY111	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY112	76105181	CERAMIC CHIP, 50V CH 180PF J
CY113	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY114	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY115	76105390	CERAMIC CHIP, 50V CH 39PF J
CY116	76105470	CERAMIC CHIP, 50V CH 47PF J
CY117	76105180	CERAMIC CHIP, 50V CH 18PF J
CY160	76815393	CERAMIC CHIP, 50V B 0.039UF K
CY501	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY502	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY504	76109222	CERAMIC CHIP, 50V B 2200PF K
CY505	76105120	CERAMIC CHIP, 50V CH 12PF J
CY506	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY508	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY512	76092463	CERAMIC CHIP, 16V B 0.22UF K
CY513	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY514	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY515	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY516	76109103	CERAMIC CHIP, 50V B 0.01UF K
CY517	76092731	CERAMIC CHIP, 16V B 1UF K
CY524	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY525	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY526	76092730	CERAMIC CHIP, 16V B 0.1UF K
CY538	76761102	ELECTROLYTIC, 6.3V 1000UF M
CY539	76794471	ELECTROLYTIC, 16V 470UF M
CY540	76794471	ELECTROLYTIC, 16V 470UF M
CY541	76761102	ELECTROLYTIC, 6.3V 1000UF M
CY582	76105101	CERAMIC CHIP, 50V CH 100PF J

RESISTORS

R010	76011102	CHIP, 1/20W 1K OHM J
R150	76011332	CHIP, 1/20W 3.3K OHM J
R151	76011562	CHIP, 1/20W 5.6K OHM J
R152	76011103	CHIP, 1/20W 10K OHM J
R173	76011103	CHIP, 1/20W 10K OHM J
R174	76011273	CHIP, 1/20W 27K OHM J
R264	76011750	CHIP, 1/20W 75 OHM J
R265	76011750	CHIP, 1/20W 75 OHM J
R266	76011750	CHIP, 1/20W 75 OHM J
R286	76011750	CHIP, 1/20W 75 OHM J
R287	76011750	CHIP, 1/20W 75 OHM J
R288	76011750	CHIP, 1/20W 75 OHM J
R347	76011101	CHIP, 1/20W 100 OHM J
R348	76011101	CHIP, 1/20W 100 OHM J
R601	76011822	CHIP, 1/20W 8.2K OHM J
R602	76011822	CHIP, 1/20W 8.2K OHM J
R603	76011122	CHIP, 1/20W 1.2K OHM J
R604	76011122	CHIP, 1/20W 1.2K OHM J
R609	76011563	CHIP, 1/20W 56K OHM J
R610	76011223	CHIP, 1/20W 22K OHM J
R611	76011103	CHIP, 1/20W 10K OHM J
R612	76011222	CHIP, 1/20W 2.2K OHM J
R613	76011223	CHIP, 1/20W 22K OHM J

Location No.	Parts No.	Description
R614	76011103	CHIP, 1/20W 10K OHM J
R615	76011104	CHIP, 1/20W 100K OHM J
R616	76011822	CHIP, 1/20W 8.2K OHM J
R621	76011391	CHIP, 1/20W 390 OHM J
R622	76011391	CHIP, 1/20W 390 OHM J
R626	76011223	CHIP, 1/20W 22K OHM J
R627	76011223	CHIP, 1/20W 22K OHM J
R661	76011102	CHIP, 1/20W 1K OHM J
R662	76011333	CHIP, 1/20W 33K OHM J
R663	76011822	CHIP, 1/20W 8.2K OHM J
R665	76011223	CHIP, 1/20W 22K OHM J
R666	76011473	CHIP, 1/20W 47K OHM J
R667	76011223	CHIP, 1/20W 22K OHM J
R668	76011473	CHIP, 1/20W 47K OHM J
R671	76011102	CHIP, 1/20W 1K OHM J
R672	76011333	CHIP, 1/20W 33K OHM J
R673	76011822	CHIP, 1/20W 8.2K OHM J
R674	76011472	CHIP, 1/20W 4.7K OHM J
R676	76011104	CHIP, 1/20W 100K OHM J
R677	76011104	CHIP, 1/20W 100K OHM J
R681	76011222	CHIP, 1/20W 2.2K OHM J
R682	76011473	CHIP, 1/20W 47K OHM J
R683	76011223	CHIP, 1/20W 22K OHM J
R684	76011223	CHIP, 1/20W 22K OHM J
R687	76011103	CHIP, 1/20W 10K OHM J
R688	76011224	CHIP, 1/20W 220K OHM J
R693	76000445	CHIP JUMPER, 1608TYPE
R697	76553561	OXIDE METAL FILM, 1W 560 OHM J
R698	76011103	CHIP, 1/20W 10K OHM J
R699	76011103	CHIP, 1/20W 10K OHM J
R810	76568479	CERAMIC COVERED, 7W 4.7 OHM J
R811	76120001	CEMENT RES 141C 2.1W 1R8 K
R840	76552562	OXIDE METAL FILM, 1/2W 5.6K OHM J
R841	76366102	CARBON FILM, 1/6W 1K OHM J
R842	76376563	CARB0N FILM, 1/2W 56K OHM J
R843	76376563	CARB0N FILM, 1/2W 56K OHM J
R844	76366103	CARBON FILM, 1/6W 10K OHM J
R845	76366102	CARBON FILM, 1/6W 1K OHM J
R846	76366471	CARBON FILM, 1/6W 470 OHM J
R847	76366473	CARBON FILM, 1/6W 47K OHM J
R848	76366102	CARBON FILM, 1/6W 1K OHM J
R849	76552470	OXIDE METAL FILM, 1/2W 47 OHM J
R850	76366103	CARBON FILM, 1/6W 10K OHM J
R860	76382101	OXIDE METAL FILM, 1W 100 OHM J
R861	76383333	OXIDE METAL FILM, 2W 33K OHM J
R862	76019463	METAL PLATE, 2W 0.22 OHM J
R863	76019461	METAL PLATE, 2W 0.15 OHM J
R864	76321828	METAL FILM, 1/2W 0.82 OHM J
R865	76381221	OXIDE METAL FILM, 1/2W 220 OHM J
R866	76366681	CARBON FILM, 1/6W 680 OHM J
R867	76366152	CARBON FILM, 1/6W 1.5K OHM J
R868	76555473	OXIDE METAL FILM, 3W 47K OHM J
R869	76366152	CARBON FILM, 1/6W 1.5K OHM J
R870	76366154	CARBON FILM, 1/6W 150K OHM J
R881	76366222	CARBON FILM, 1/6W 2.2K OHM J
R882	76366471	CARBON FILM, 1/6W 470 OHM J
R885	76366102	CARBON FILM, 1/6W 1K OHM J
R886	76000525	METAL FILM, 1/4W 4.7K OHM F
R887	76367683	CARBON FILM, 1/6W 68K OHM G
R888	76000525	METAL FILM, 1/4W 4.7K OHM F
R889	76383222	OXIDE METAL FILM, 2W 2.2K OHM J
R891	76555331	OXIDE METAL FILM, 3W 330 OHM J
R892	76555331	OXIDE METAL FILM, 3W 330 OHM J
⚠ R899	76005014	METAL FILM, 1W 8.2M OHM J
R8200	76367390	CARBON FILM, 1/6W 390 OHM G
R8210	76000147	METAL FILM, 1/4W 470 OHM F
R8211	76000219	METAL FILM, 1/4W 10 OHM F
R8220	76367390	CARBON FILM, 1/6W 390 OHM G
R8240	76000635	METAL FILM, 1/4W 12K OHM F
R8241	76000529	RESIST0R, METAL FILM, 1/4W 6.8K OHM F
R8242	76367471	CARBON FILM, 1/6W 470 OHM G
R8250	76000145	METAL FILM, 1/4W 330 OHM F
R8251	76000145	METAL FILM, 1/4W 330 OHM F
R8252	76367392	CARBON FILM, 1/6W 3.9K OHM G
R8902	76366333	CARBON FILM, 1/6W 33K OHM J
R8903	76366333	CARBON FILM, 1/6W 33K OHM J

Location No.	Parts No.	Description
R8904	76366472	CARBON FILM, 1/6W 4.7K OHM J
R8905	76366681	CARBON FILM, 1/6W 680 OHM J
R8908	76366104	CARBON FILM, 1/6W 100K OHM J
R8910	76366472	CARBON FILM, 1/6W 4.7K OHM J
R8911	76366103	CARBON FILM, 1/6W 10K OHM J
R8912	76366223	CARBON FILM, 1/6W 22K OHM J
R8913	76366334	CARBON FILM, 1/6W 330K OHM J
R8914	76366223	CARBON FILM, 1/6W 22K OHM J
R8915	76366102	CARBON FILM, 1/6W 1K OHM J
R8922	76366122	CARBON FILM, 1/6W 1.2K OHM J
R8931	76367123	CARBON FILM, 1/6W 12K OHM G
R8932	76367182	CARBON FILM, 1/6W 1.8K OHM G
R8934	76367472	CARBON FILM, 1/6W 4.7K OHM G
R8941	76367123	CARBON FILM, 1/6W 12K OHM G
R8942	76367182	CARBON FILM, 1/6W 1.8K OHM G
R8944	76367472	CARBON FILM, 1/6W 4.7K OHM G
R8950	76366103	CARBON FILM, 1/6W 10K OHM J
R8951	76366103	CARBON FILM, 1/6W 10K OHM J
RA44	76011105	CHIP, 1/20W 1M OHM J
RA48	76011105	CHIP, 1/20W 1M OHM J
RA51	76011105	CHIP, 1/20W 1M OHM J
RA53	76011105	CHIP, 1/20W 1M OHM J
RA55	76011105	CHIP, 1/20W 1M OHM J
RA57	76011105	CHIP, 1/20W 1M OHM J
RA61	76011222	CHIP, 1/20W 2.2K OHM J
RA62	76011222	CHIP, 1/20W 2.2K OHM J
RA63	76011222	CHIP, 1/20W 2.2K OHM J
RA64	76011222	CHIP, 1/20W 2.2K OHM J
RA65	76011222	CHIP, 1/20W 2.2K OHM J
RA66	76011222	CHIP, 1/20W 2.2K OHM J
RA67	76011222	CHIP, 1/20W 2.2K OHM J
RA68	76011222	CHIP, 1/20W 2.2K OHM J
RA71	76011822	CHIP, 1/20W 8.2K OHM J
RA72	76011153	CHIP, 1/2OW 15K OHM J
RA73	76011273	CHIP, 1/20W 27K OHM J
RA75	76011822	CHIP, 1/20W 8.2K OHM J
RA76	76011153	CHIP, 1/2OW 15K OHM J
RA77	76011114	CHIP, 1/20W 110K OHM J
RA81	76011104	CHIP, 1/20W 100K OHM J
RA82	76011104	CHIP, 1/20W 100K OHM J
RA83	76011104	CHIP, 1/20W 100K OHM J
RA84	76011104	CHIP, 1/20W 100K OHM J
RA85	76011104	CHIP, 1/20W 100K OHM J
RA86	76011104	CHIP, 1/20W 100K OHM J
RA87	76011104	CHIP, 1/20W 100K OHM J
RA88	76011104	CHIP, 1/20W 100K OHM J
RA91	76011623	CHIP, 1/20W 62K OHM J
RA94	76000445	CHIP JUMPER, 1608TYPE
RA95	76011623	CHIP, 1/20W 62K OHM J
RA98	76000445	CHIP JUMPER, 1608TYPE
RB15	76366471	CARBON FILM, 1/6W 470 OHM J
RB19	76366470	CARBON FILM, 1/6W 47 OHM J
RB81	76011222	CHIP, 1/20W 2.2K OHM J
RB82	76011471	CHIP, 1/20W 470 OHM J
RB83	76011102	CHIP, 1/20W 1K OHM J
RB84	76011473	CHIP, 1/20W 47K OHM J
RB87	76011394	CHIP, 1/20W 390K OHM J
RB88	76011394	CHIP, 1/20W 390K OHM J
RB89	76011103	CHIP, 1/20W 10K OHM J
RB90	76011302	CHIP, 1/20W 3K OHM J
RB92	76011473	CHIP, 1/20W 47K OHM J
RB93	76011102	CHIP, 1/20W 1K OHM J
RS01	76011562	CHIP, 1/20W 5.6K OHM J
RS02	76011562	CHIP, 1/20W 5.6K OHM J
RS03	76011101	CHIP, 1/20W 100 OHM J
RS04	76011101	CHIP, 1/20W 100 OHM J
RS05	76011562	CHIP, 1/20W 5.6K OHM J
RS06	76011562	CHIP, 1/20W 5.6K OHM J
RS07	76011562	CHIP, 1/20W 5.6K OHM J
RS08	76011562	CHIP, 1/20W 5.6K OHM J
RS09	76011562	CHIP, 1/20W 5.6K OHM J
RS10	76011562	CHIP, 1/20W 5.6K OHM J
RS11	76011562	CHIP, 1/20W 5.6K OHM J
RS12	76011562	CHIP, 1/20W 5.6K OHM J
RS13	76011562	CHIP, 1/20W 5.6K OHM J
RS14	76011562	CHIP, 1/20W 5.6K OHM J

Location No.	Parts No.	Description
RS15	76011562	CHIP, 1/20W 5.6K OHM J
RS16	76011562	CHIP, 1/20W 5.6K OHM J
RS21	76011101	CHIP, 1/20W 100 OHM J
RS22	76011101	CHIP, 1/20W 100 OHM J
RS23	76011101	CHIP, 1/20W 100 OHM J
RS24	76011101	CHIP, 1/20W 100 OHM J
RS27	76011101	CHIP, 1/20W 100 OHM J
RS28	76011101	CHIP, 1/20W 100 OHM J
RS29	76011682	CHIP, 1/20W 6.8K OHM J
RS30	76011182	CHIP, 1/20W 1.8K OHM J
RS31	76011100	CHIP, 1/20W 10 OHM J
RS32	76011222	CHIP, 1/20W 2.2K OHM J
RS33	76011222	CHIP, 1/20W 2.2K OHM J
RS34	76011472	CHIP, 1/20W 4.7K OHM J
RS35	76011102	CHIP, 1/20W 1K OHM J
RS36	76011102	CHIP, 1/20W 1K OHM J
RS37	76011223	CHIP, 1/20W 22K OHM J
RS38	76011223	CHIP, 1/20W 22K OHM J
RV001	76011102	CHIP, 1/20W 1K OHM J
RV01	76011101	CHIP, 1/20W 100 OHM J
RV002	76011101	CHIP, 1/20W 100 OHM J
RV003	76011102	CHIP, 1/20W 1K OHM J
RV03	76011101	CHIP, 1/20W 100 OHM J
RV004	76011101	CHIP, 1/20W 100 OHM J
RV005	76011102	CHIP, 1/20W 1K OHM J
RV006	76011101	CHIP, 1/20W 100 OHM J
RV06	76011101	CHIP, 1/20W 100 OHM J
RV007	76011102	CHIP, 1/20W 1K OHM J
RV07	76011562	CHIP, 1/20W 5.6K OHM J
RV008	76011101	CHIP, 1/20W 100 OHM J
RV08	76011101	CHIP, 1/20W 100 OHM J
RV009	76011101	CHIP, 1/20W 100 OHM J
RV09	76011101	CHIP, 1/20W 100 OHM J
RV10	76011101	CHIP, 1/20W 100 OHM J
RV11	76011101	CHIP, 1/20W 100 OHM J
RV12	76011101	CHIP, 1/20W 100 OHM J
RV14	76011562	CHIP, 1/20W 5.6K OHM J
RV15	76011101	CHIP, 1/20W 100 OHM J
RV17	76011101	CHIP, 1/20W 100 OHM J
RV19	76011101	CHIP, 1/20W 100 OHM J
RV20	76366750	CARBON FILM, 1/6W 75 OHM J
RV21	76011562	CHIP, 1/20W 5.6K OHM J @U103
	76366750	CARBON FILM, 1/6W 75 OHM J @UV03
RV22	76011101	CHIP, 1/20W 100 OHM J @U103
	76366750	CARBON FILM, 1/6W 75 OHM J @UV03
RV23	76011222	CHIP, 1/20W 2.2K OHM J @U103
	76366101	CARBON FILM, 1/6W 100 OHM J @UV03
RV24	76011222	CHIP, 1/20W 2.2K OHM J
RV32	76011104	CHIP, 1/20W 100K OHM J
RV33	76011104	CHIP, 1/20W 100K OHM J
RV34	76011104	CHIP, 1/20W 100K OHM J
RV35	76011750	CHIP, 1/20W 75 OHM J
RV36	76011750	CHIP, 1/20W 75 OHM J
RV37	76011101	CHIP, 1/20W 100 OHM J
RV38	76011562	CHIP, 1/20W 5.6K OHM J
RV40	76011750	CHIP, 1/20W 75 OHM J
RV41	76011750	CHIP, 1/20W 75 OHM J
RV42	76011750	CHIP, 1/20W 75 OHM J
RV43	76011750	CHIP, 1/20W 75 OHM J
RV61	76011101	CHIP, 1/20W 100 OHM J
RV85	76366471	CARBON FILM, 1/6W 470 OHM J
RV86	76366471	CARBON FILM, 1/6W 470 OHM J
RV89	76011680	CHIP, 1/20W 68 OHM J
RV147	76011101	CHIP, 1/20W 100 OHM J
RV148	76011101	CHIP, 1/20W 100 OHM J
RV323	76011101	CHIP, 1/20W 100 OHM J
RV324	76011101	CHIP, 1/20W 100 OHM J
RV325	76011101	CHIP, 1/20W 100 OHM J
RV330	76011101	CHIP, 1/20W 100 OHM J
RV331	76011101	CHIP, 1/20W 100 OHM J
RV332	76011101	CHIP, 1/20W 100 OHM J
RV333	76011181	CHIP, 1/20W 180 OHM J
RV334	76011103	CHIP, 1/20W 10K OHM J
RV335	76011123	CHIP, 1/20W 12K OHM J
RV346	76011101	CHIP, 1/20W 100 OHM J
RY101	76011101	CHIP, 1/20W 100 OHM J

Location No.	Parts No.	Description
RY102	76011221	CHIP, 1/20W 220 OHM J
RY103	76011102	CHIP, 1/20W 1K OHM J
RY104	76011102	CHIP, 1/20W 1K OHM J
RY105	76011821	CHIP, 1/20W 820 OHM J
RY106	76000445	CHIP JUMPER, 1608TYPE
RY107	76011222	CHIP, 1/20W 2.2K OHM J
RY109	76011332	CHIP, 1/20W 3.3K OHM J
RY110	76011152	CHIP, 1/20W 1.5K OHM J
RY160	76011471	CHIP, 1/20W 470 OHM J
RY161	76011101	CHIP, 1/20W 100 OHM J
RY501	76011303	CHIP, 1/20W 30K OHM J
RY502	76011103	CHIP, 1/20W 10K OHM J
RY504	76011103	CHIP, 1/20W 10K OHM J
RY505	76011123	CHIP, 1/20W 12K OHM J
RY507	76011102	CHIP, 1/20W 1K OHM J
RY508	76011222	CHIP, 1/20W 2.2K OHM J
RY509	76011472	CHIP, 1/20W 4.7K OHM J
RY510	76011152	CHIP, 1/20W 1.5K OHM J
RY511	76011222	CHIP, 1/20W 2.2K OHM J
RY512	76011222	CHIP, 1/20W 2.2K OHM J
RY513	76011152	CHIP, 1/20W 1.5K OHM J
RY516	76011472	CHIP, 1/20W 4.7K OHM J
RY517	76011472	CHIP, 1/20W 4.7K OHM J
RY518	76011472	CHIP, 1/20W 4.7K OHM J
RY519	76000445	CHIP JUMPER, 1608TYPE
RY520	76011101	CHIP, 1/20W 100 OHM J
RY521	76011101	CHIP, 1/20W 100 OHM J
RY523	76011102	CHIP, 1/20W 1K OHM J
RY524	76011102	CHIP, 1/20W 1K OHM J
RY525	76011222	CHIP, 1/20W 2.2K OHM J
RY526	76011222	CHIP, 1/20W 2.2K OHM J
RY527	76011222	CHIP, 1/20W 2.2K OHM J
RY528	76011222	CHIP, 1/20W 2.2K OHM J
RY529	76011102	CHIP, 1/20W 1K OHM J
RY530	76011102	CHIP, 1/20W 1K OHM J
RY531	76011102	CHIP, 1/20W 1K OHM J
RY532	76011101	CHIP, 1/20W 100 OHM J
RY533	76011102	CHIP, 1/20W 1K OHM J
RY534	76011102	CHIP, 1/20W 1K OHM J
RY535	76011330	CHIP, 1/20W 33 OHM J
RY536	76011330	CHIP, 1/20W 33 OHM J
RY541	76011392	CHIP, 1/20W 3.9K OHM J
RY542	76011392	CHIP, 1/20W 3.9K OHM J
RY543	76011152	CHIP, 1/20W 1.5K OHM J
RY545	76011101	CHIP, 1/20W 100 OHM J
RY548	76011102	CHIP, 1/20W 1K OHM J
RY550	76011182	CHIP, 1/20W 1.8K OHM J
RY551	76011182	CHIP, 1/20W 1.8K OHM J
RY552	76011152	CHIP, 1/20W 1.5K OHM J
RY560	76011332	CHIP, 1/20W 3.3K OHM J
RY561	76011471	CHIP, 1/20W 470 OHM J
RY573	76011102	CHIP, 1/20W 1K OHM J
RY575	76011103	CHIP, 1/20W 10K OHM J
RY576	76011123	CHIP, 1/20W 12K OHM J
RY578	76011332	CHIP, 1/20W 3.3K OHM J
RY579	76011102	CHIP, 1/20W 1K OHM J
RY580	76011101	CHIP, 1/20W 100 OHM J
RY582	76011332	CHIP, 1/20W 3.3K OHM J
RY583	76011102	CHIP, 1/20W 1K OHM J
RY584	76011101	CHIP, 1/20W 100 OHM J
RY585	76011103	CHIP, 1/20W 10K OHM J
RY586	76011330	CHIP, 1/20W 33 OHM J
RY587	76011330	CHIP, 1/20W 33 OHM J
RY588	76011330	CHIP, 1/20W 33 OHM J
RY589	76000445	CHIP JUMPER, 1608TYPE
RY590	76011103	CHIP, 1/20W 10K OHM J
RY591	76011101	CHIP, 1/20W 100 OHM J
RY592	76011101	CHIP, 1/20W 100 OHM J
RY593	76011330	CHIP, 1/20W 33 OHM J
RY594	76011330	CHIP, 1/20W 33 OHM J
RY595	76011330	CHIP, 1/20W 33 OHM J
RY596	76000445	CHIP JUMPER, 1608TYPE
G101	76011151	CHIP, 1/20W 150 OHM J
G102	76011151	CHIP, 1/20W 150 OHM J
GA89	76000445	CHIP JUMPER, 1608TYPE
GA90	76000445	CHIP JUMPER, 1608TYPE

Location No.	Parts No.	Description
GJ105	76000445	CHIP JUMPER, 1608TYPE
GR103	76000445	CHIP JUMPER, 1608TYPE
JR003	76000445	CHIP JUMPER, 1608TYPE
JR004	76000445	CHIP JUMPER, 1608TYPE
JR005	76000445	CHIP JUMPER, 1608TYPE
JR006	76000445	CHIP JUMPER, 1608TYPE
JR007	76000445	CHIP JUMPER, 1608TYPE
JR008	76000445	CHIP JUMPER, 1608TYPE
JR009	76000445	CHIP JUMPER, 1608TYPE
JR010	76000445	CHIP JUMPER, 1608TYPE
JR011	76000445	CHIP JUMPER, 1608TYPE
JR012	76000445	CHIP JUMPER, 1608TYPE
JR013	76000445	CHIP JUMPER, 1608TYPE
JR014	76000445	CHIP JUMPER, 1608TYPE
JR015	76000445	CHIP JUMPER, 1608TYPE
JR016	76000445	CHIP JUMPER, 1608TYPE
JR017	76000445	CHIP JUMPER, 1608TYPE
JR018	76000445	CHIP JUMPER, 1608TYPE
JR019	76000445	CHIP JUMPER, 1608TYPE
COILS & TRANSFORMERS		
L101	23289027	COIL, PEAKING, TRF4680AT
L103	23289026	COIL, PEAKING, TRF4470AT
L840	23289981	COIL, PEAKING, TRF4330AZ
L841	23103304	FERRITE CHOKE, TEM2011AA
L861	23103304	FERRITE CHOKE, TEM2011AA
L862	23103307	FERRITR CHOKE, TEM2014AA
L881	23103304	FERRITE CHOKE, TEM2011AA
L882	23103304	FERRITE CHOKE, TEM2011AA
L883	23103304	FERRITE CHOKE, TEM2011AA
L884	23103304	FERRITE CHOKE, TEM2011AA
L885	23103304	FERRITE CHOKE, TEM2011AA
L886	23103304	FERRITE CHOKE, TEM2011AA
L888	23248446	COIL, CHOKE, TLN3462AH
L890	23248432	COIL, CHOKE, TLN3499AH
L891	23248432	COIL, CHOKE, TLN3499AH
L892	23248432	COIL, CHOKE, TLN3499AH
L893	23248417	COIL, CHOKE, TLN3481AH
L895	23248432	COIL, CHOKE, TLN3499AH
L896	23289981	COIL, PEAKING, TRF4330AZ
L8210	23289981	COIL, PEAKING, TRF4330AZ
L8211	23248456	COIL, CHOKE, TLN3540AH
L8213	23248417	COIL, CHOKE, TLN3481AH
L8930	23248432	COIL, CHOKE, TLN3499AH
L8931	23248432	COIL, CHOKE, TLN3499AH
L8940	23248432	COIL, CHOKE, TLN3499AH
L8941	23248432	COIL, CHOKE, TLN3499AH
LV13	23246662	COIL, CHIP, TRF4100CN
LV20	23221156	COIL, PEAKING, TRF4560AJ
LY012	23246662	COIL, CHIP, TRF4100CN
LY100	23246656	COIL, CHIP, TRF4330CG
LY101	23248398	COIL, CHOKE, TLN3278D @U101
	23103827	INDUCTOR, BEAD, TEM2120M @U103
LY102	23221144	COIL, PEAKING, TRF4229AJ @U101
	23103827	INDUCTOR, BEAD, TEM2120M @U103
LY103	23221144	COIL, PEAKING, TRF4229AJ @U101
	23103230	INDUCTOR, BEAD, TEM2134AD @U103
LY104	23246653	COIL, CHIP, TRF4150CG
LY105	23246655	COIL, CHIP, TRF4270CG
LY112	23103230	INDUCTOR, BEAD, TEM2134AD
LY501	23246662	COIL, CHIP, TRF4100CN
LY503	23246662	COIL, CHIP, TRF4100CN
⚠ T801	23211827	COIL, LINE FILTER, TRF3239AH
⚠ T802	23211836	COIL, LINE FILTER, TRF3197AH
⚠ T840	23217790	TRANSFORMER, CONVERTER TPW3425BH
⚠ T862	23217682	TRANSFORMER, CONVERTER, TPW3553AS
M802A	23103839	FERRITE CORE, TFE1012
M811A	23103778	FERRITE CORE, TFE1008
M905A	23103778	FERRITE CORE, TFE1008
MB91A	23103840	FERRITE CORE, TFE1013
P800A	23103840	FERRITE CORE, TFE1013
ZB22B	23103840	FERRITE CORE, TFE1013
SEMICONDUCTORS		
Q151	23205346	TRANSISTOR, KTA2014Y/P
Q152	23205347	TRANSISTOR, KTC4075Y/P

Location No.	Parts No.	Description
Q172	23205347	TRANSISTOR, KTC4075Y/P
Q601	23009603	IC, AN7580
Q612	23205346	TRANSISTOR, KTA2014Y/P
Q613	23205347	TRANSISTOR, KTC4075Y/P
Q614	23205426	TRANSISTOR, KRC106S/P
Q661	23205424	TRANSISTOR, KTC2875B/P
Q662	23205424	TRANSISTOR, KTC2875B/P
Q663	23085575	IC, OP AMP, BA4558
Q664	23205428	TRANSISTOR, KRA104S/P
Q681	23205424	TRANSISTOR, KTC2875B/P
Q682	23205424	TRANSISTOR, KTC2875B/P
Q801	23135069	IC, STRF6268S
Q840	23085559	IC, MIP280
⚠ Q841	23000823	IC, PHOTO COUPLER, TLP421F(GR)
⚠ Q842	23000823	IC, PHOTO COUPLER, TLP421F(GR)
Q845	23205499	TRANSISTOR, KTC3198 Y/P
Q846	23205499	TRANSISTOR, KTC3198 Y/P
Q847	23205499	TRANSISTOR, KTC3198 Y/P
⚠ Q862	23000823	IC, PHOTO COUPLER, TLP421F(GR)
Q881	23085389	IC, NJM431L
Q8200	23085050	IC, SI-3120J(LF1101)
Q8210	23085397	IC, SI-8033SS
Q8220	23135077	IC, SI-3090CA
Q8240	23085821	IC, ADJ REG. VO=1.5V-16.0V BA7810T-V5
Q8250	23085377	IC, PQ5EV3J0000H
Q8251	23085600	IC, PST9129
Q8901	23205499	TRANSISTOR, KTC3198 Y/P
Q8902	23205499	TRANSISTOR, KTC3198 Y/P
Q8904	23205497	TRANSISTOR, KTA1266 Y/P
Q8911	23205499	TRANSISTOR, KTC3198 Y/P
Q8912	23205499	TRANSISTOR, KTC3198 Y/P
Q8930	23009998	IC, BA00JC5WT-V5
Q8940	23009998	IC, BA00JC5WT-V5
Q8950	23085503	IC, OPE AMP, TA75358P
QA81	23205329	TRANSISTOR, RN1404(F)
QA82	23205329	TRANSISTOR, RN1404(F)
QA83	23205329	TRANSISTOR, RN1404(F)
QA84	23205329	TRANSISTOR, RN1404(F)
QA85	23205329	TRANSISTOR, RN1404(F)
QA86	23205329	TRANSISTOR, RN1404(F)
QA87	23205329	TRANSISTOR, RN1404(F)
QA88	23205329	TRANSISTOR, RN1404(F)
QA91	23085674	IC, QT240-ISS-G-CA
QA92	23085674	IC, QT240-ISS-G-CA
QA93	23085731	IC, +4.2V 2% REG. SOT-23-5 R1121N421B-TR-FA
QA94	23085067	IC, R1121N331B-TR-FA
QB81	23205446	TRANSISTOR, 2SC2412K, Q T146
QB83	23085867	IC, DUAL COMPARATOR BA10393F-E2
QB84	23205446	TRANSISTOR, 2SC2412K, Q T146
QS01	23009916	IC, MM1631AJBE
QS02	23205506	TRANSISTOR, 2SC4081 Q
QS03	23205506	TRANSISTOR, 2SC4081 Q
QS04	23205506	TRANSISTOR, 2SC4081 Q
QS05	23205428	TRANSISTOR, KRA104S/P
QS06	23205424	TRANSISTOR, KTC2875B/P
QS07	23205424	TRANSISTOR, KTC2875B/P
QV01	23009940	IC, MM1630AQ
QV004	23205506	TRANSISTOR, 2SC4081 Q
QV005	23205506	TRANSISTOR, 2SC4081 Q
QV006	23205506	TRANSISTOR, 2SC4081 Q
QV007	23205506	TRANSISTOR, 2SC4081 Q
QV008	23205506	TRANSISTOR, 2SC4081 Q
QV009	23205305	TRANSISTOR, 2SC4667-O(F)
QV48	23205499	TRANSISTOR, KTC3198 Y/P
QV91	23205507	TRANSISTOR, 2SA1576A Q
QY100	23085570	IC, TC90A45F
QY101	23205506	TRANSISTOR, 2SC4081 Q
QY102	23205506	TRANSISTOR, 2SC4081 Q
QY103	23205507	TRANSISTOR, 2SA1576A Q
QY160	23205347	TRANSISTOR, KTC4075Y/P
QY501	23009929	IC, TA1383FG(DRY,EL)
QY502	23205305	TRANSISTOR, 2SC4667-O(F)
QY503	23205507	TRANSISTOR, 2SA1576A Q
QY504	23205507	TRANSISTOR, 2SA1576A Q
QY506	23205506	TRANSISTOR, 2SC4081 Q
QY507	23205506	TRANSISTOR, 2SC4081 Q

Location No.	Parts No.	Description
QY508	23205506	TRANSISTOR, 2SC4081 Q
QY509	23205506	TRANSISTOR, 2SC4081 Q
QY511	23205507	TRANSISTOR, 2SA1576A Q
QY512	23205507	TRANSISTOR, 2SA1576A Q
QY513	23205507	TRANSISTOR, 2SA1576A Q
QY514	23205507	TRANSISTOR, 2SA1576A Q
QY515	23205507	TRANSISTOR, 2SA1576A Q
QY516	23205507	TRANSISTOR, 2SA1576A Q
QY518	23205506	TRANSISTOR, 2SC4081 Q
QY522	23205506	TRANSISTOR, 2SC4081 Q
D601	23357703	DIODE, 1SS355
D602	23357703	DIODE, 1SS355
D603	23357703	DIODE, 1SS355
D604	23357703	DIODE, 1SS355
D605	23357703	DIODE, 1SS355
D606	23357703	DIODE, 1SS355
D607	23357703	DIODE, 1SS355
D608	23357703	DIODE, 1SS355
D609	23357703	DIODE, 1SS355
D611	23357703	DIODE, 1SS355
D612	23357703	DIODE, 1SS355
D613	23357703	DIODE, 1SS355
D614	23357703	DIODE, 1SS355
D615	23357703	DIODE, 1SS355
D616	23357703	DIODE, 1SS355
D617	23357703	DIODE, 1SS355
D628	23357771	DIODE, ZENER, MA8120-M
D801	23357712	DIODE, D5SB60, 4009 F05
D840	23362046	DIODE, LN1WBA60 4101
D841	23357838	DIODE, ZENER, MTZJ5.6C
D842	23357830	DIODE, ZENER, MTZJ4.7A
D843	23357366	DIODE, FR105-B5
D844	23357838	DIODE, ZENER, MTZJ5.6C
D845	23357697	DIODE, 1SS133
D846	23357684	DIODE, ZENER, RD3.0ESA B2
D847	23357684	DIODE, ZENER, RD3.0ESA B2
D848	23357697	DIODE, 1SS133
D849	23357697	DIODE, 1SS133
D850	23357622	DI0DE, ZENER, RD11ESA B3
D861	23357837	DIODE, ZENER, MTZJ5.6B
D863	23357697	DIODE, 1SS133
D864	23357366	DIODE, FR105-B5
D865	23357697	DIODE, 1SS133
D866	23357709	DIODE, RU1P
D867	23357900	DIODE, ZENER, MTZJ33B
D883	23357702	DIODE, FML-G12S
D884	23357366	DIODE, FR105-B5
D885	23357860	DIODE, RL2Z
D886	23357408	DIODE, FMX-12S(023-108)
D887	23357911	DIODE, FMB-26L
D888	23362113	DIODE, FML-G22S
D894	23357841	DIODE, ZENER, MTZJ6.8A
D895	23357841	DIODE, ZENER, MTZJ6.8A
D896	23357841	DIODE, ZENER, MTZJ6.8A
D897	23357841	DIODE, ZENER, MTZJ6.8A
D898	23357841	DIODE, ZENER, MTZJ6.8A
⚠ D899	76019485	VARISTOR, TNR10V431K
D8200	23357697	DIODE, 1SS133
D8210	23357519	DIODE, RK44,
D8211	23357831	DIODE, ZENER, MTZJ4.7B
D8902	23357697	DIODE, 1SS133
D8903	23357697	DIODE, 1SS133
D8904	23357838	DIODE, ZENER, MTZJ5.6C
D8905	23357838	DIODE, ZENER, MTZJ5.6C
D8911	23357838	DIODE, ZENER, MTZJ5.6C
D8912	23357838	DIODE, ZENER, MTZJ5.6C
D8913	23357838	DIODE, ZENER, MTZJ5.6C
D8914	23357697	DIODE, 1SS133
D8915	23357697	DIODE, 1SS133
D8922	23357639	DIODE, ZENER, RD5.6ESA B1
D8930	23357697	DIODE, 1SS133
D8931	23357697	DIODE, 1SS133
D8940	23357697	DIODE, 1SS133
D8941	23357697	DIODE, 1SS133
D8950	23357637	DIODE, ZENER, RD5.6ESA B3
D8951	23357637	DIODE, ZENER, RD5.6ESA B3

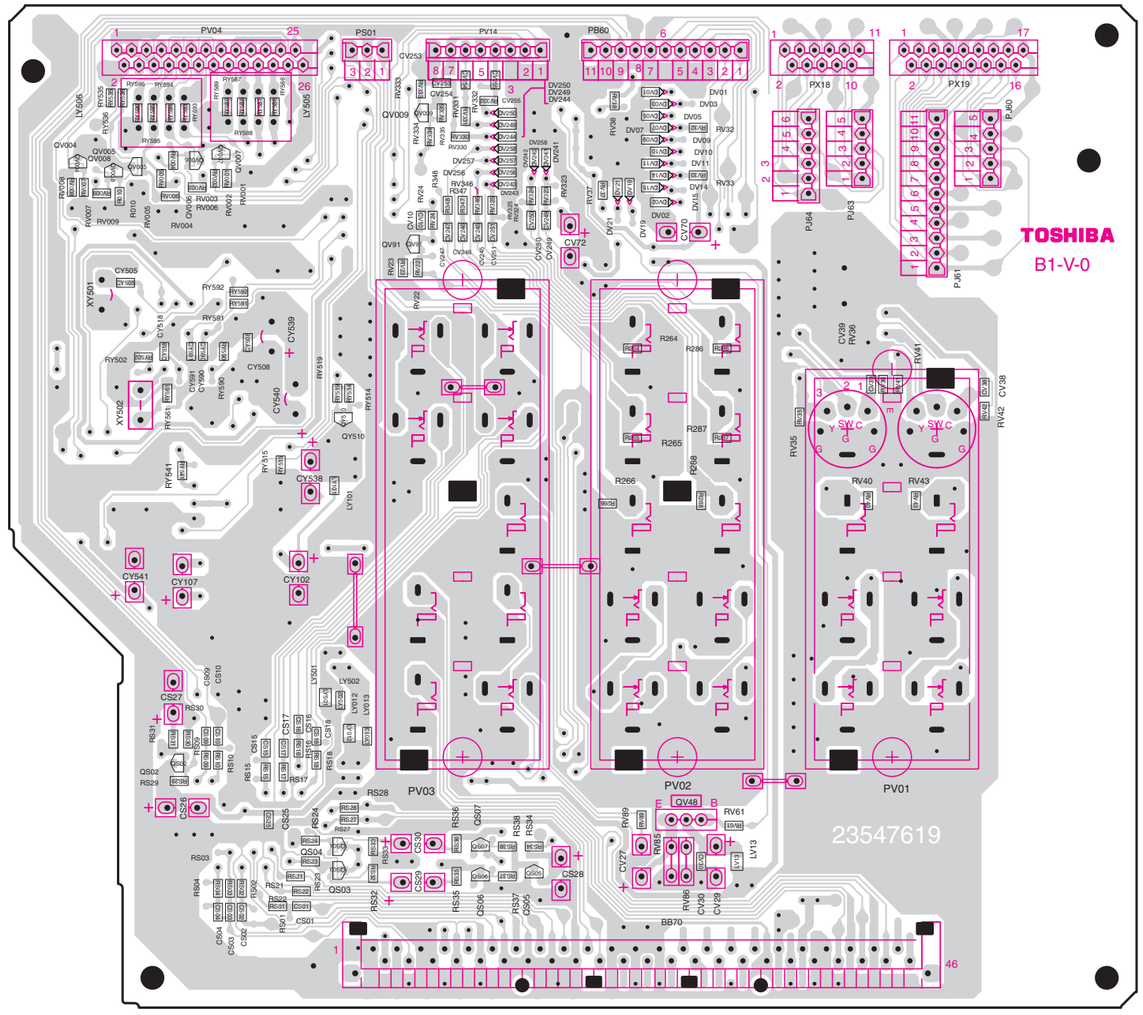
Location No.	Parts No.	Description
DA91	23357406	DIODE, ZENER, UDZS5.6B
DA92	23357406	DIODE, ZENER, UDZS5.6B
DB03	23358615	DIODE, LED INFRARED, SIR-56SB3F
DB81	23358584	DIODE, LED, SML-811UTT86
DB82	23358585	LED, LAMP, SML-810MTT86
DV07	23357751	DIODE, ZENER, MA8068-M
DV14	23357751	DIODE, ZENER, MA8068-M
KB01	23000852	REMOCON RECEIVER, PIC-37043TE2
MISCELLANEOUS		
A305	23717197	SCREW, THUMB SCREW
A306	23717198	SCREW, THUMB SCREW RETAINER
A516	23717192	SCREW, SCREW, AV BOARD
B112	23059129	PIECE COVER
B209	23738088	SCREW, BTBW3X12ECO
B214	23965241	TAPE, CC #12 10MM L30M
B215	23965241	TAPE, CC #12 10MM L30M
B231	23738088	SCREW, BTBW3X12ECO
B235	23845856	CLAMP, WIRE, POF COAT) L=70MM
BB10	23713014	PLUG, B-B 16P 1.5
BB11	23713013	SOCKET, B-B 16P 1.5
BB20	23713014	PLUG, B-B 16P 1.5
BB21	23713013	SOCKET, B-B 16P 1.5
BB70	23713810	PLUG , TAC-A46P-B1
BB71	23903245	SOCKET, B-B 46P, TAC-A46X-B1
⚠ F801	23144319	FUSE, CARTRIDGE, 125V 8A, 5.2X20
F801A	23165433	FUSE HOLDER, 5.2 SOC
⚠ F840	23144704	FUSE, AXIAL 125V 200MA
⚠ F860	23144714	FUSE, AXIAL 125V 4.0A
⚠ F880	23144714	FUSE, AXIAL 125V 4.0A
⚠ F881	23144706	FUSE, AXIAL 125V 500MA
⚠ F882	23144714	FUSE, AXIAL 125V 4.0A
⚠ F883	23144715	FUSE, AXIAL 125V 5.0A
⚠ F884	23144715	FUSE, AXIAL 125V 5.0A
⚠ F899	23144326	FUSE, CARTRIDGE, 250V 2A, 5.2X20
F899A	23165433	FUSE HOLDER, 5.2 SOC
⚠ F8210	23144709	FUSE, AXIAL 125V 1.5A
H002	23148378	IF MODULE, US BUFFER 6M TRAP, MVUS51A
H003	23124099	ANTENNA SWITCH, RSU135X1, 2I3O BUNPAI US
H003A	23747055	NUT, F-CONNECTOR 2H BS
J601A	23171400	WIRE, PVC, SOLDER-PLATED 300V 7/16 BRN UL CSA
JR001	23103239	INDUCTOR, BEAD, TEM2143AD
JR002	23103239	INDUCTOR, BEAD, TEM2143AD
MA01	23389271	CABLE, FFC P1.25-15-98
MV01	23368931	CABLE, MDR 26P 300MM 3M 79162-26M-030-011F
MV04	23389270	CABLE, FFC P1.25-26-140
MX18	23389272	CABLE, FFC P1.25-11-365
MX19	23389273	CABLE, FFC P1.25-17-410
P105	23713755	PLUG, 4P 2.5MM G, B4B-EH-F1-TV4
⚠ P800	23713702	PLUG, 2P 11.88MM W VT
⚠ P801	23372117	POWER CORD, U/C 125V10A HSV 5 CMC-02P 5
P805	23164965	CONNECTOR, PLUG 4P, W-P3504-#02
P811A	23713713	PLUG, 2P 3.96MM VH
P891	23713759	PLUG, 8P 2.5MM G, B8B-EH-F1-TV4
P892	23713764	PLUG, 13P
P901	23713754	PLUG, 3P 2.5MM G, B3B-EH-F1-TV4
P902A	23164563	CONNECTOR, PLUG 3P
P903	23713755	PLUG, 4P 2.5MM G, B4B-EH-F1-TV4
P906	23713761	PLUG, NP 2.5MM G, B10B-EH-F1A
P907	23713763	PLUG, NP 2.5MM G, B12B-EH-F1A
PA01	23713240	CONNECTOR, 15FE-BT-VK-N JST
PB22	23713755	PLUG, 4P 2.5MM G, B4B-EH-F1-TV4
PJ60	23713756	PLUG, 5P 2.5MM G, B5B-EH-F1-TV4
PJ61	23713762	PLUG, NP 2.5MM G, B11B-EH-F1A
PJ63	23713756	PLUG, 5P 2.5MM G, B5B-EH-F1-TV4
PJ64	23713757	PLUG, 6P 2.5MM G, B6B-EH-F1-TV4
PV01	23023311	JACK, PIN 2S6P, LAP5030-0111GC
PV02	23023205	JACK, PIN 10P SMK KARI2 @U103
	23023184	JACK, 1S3P, LAP5100-1502F @UV03
PV03	23023211	JACK, PIN 7P SMK KARI04
PV04	23713282	CONNECTOR, 26FE-ST-VK-N
PV13	23713760	PLUG, NP 2.5MM G, B9B-EH-F1A
PV14	23713781	PLUG, 8P 2.5MM W, S8B-EH
PX18	23713270	CONNECTOR, 11FE-ST-VK-N
PX19	23713110	CONNECTOR, FE-ST-VK-N 17P JST
Q825B	23738088	SCREW, BTBW3X12ECO

Location No.		Parts No.	Description
Q893B		23717241	SCREW, BITTB3X8ECO
Q894B		23717241	SCREW, BITTB3X8ECO
⚠ S810		23344522	SWITCH, SPVF11
⚠ SR81		23146588	RELAY, DLS5D1-O(M) 0.15W
⚠ SR82		23146584	RELAY, DC12V, TV5, DG-3
W661		23351244	SPEAKER, SPBOX(L) 8-OHM 20W SPK-1455AM
W662		23351245	SPEAKER, SPBOX(R) 8-OHM 20W SPK-1456AM
XY501		23153607	CRYSTAL, 3.58MHZ
XY502		23153721	CERAMIC RESONATOR, 503KHZ
PC BOARD ASSEMBLIES			
✻ U101		23764145	PC BOARD ASSY, IF AUDIO ACIN PU PD1775D
✻ U103		23764144	PC BOARD ASSY, BACK AV PU PD1774C
✻ U802		23764201	PC BOARD ASSY, MAIN POWER PU PD2128A-1
✻ UA02		23764202	PC BOARD ASSY, REMOTE SENS PU PD2128A-3
✻ UA03		23764203	PC BOARD ASSY, DOOR SW PU PD2128A-4
✻ UA06		23764199	PC BOARD ASSY, FRONT KEY, PD2072H
✻ UD02	#1	23148438	PC BOARD ASSY SCALER, B910PD2208A1
✻	#2	23148439	PC BOARD ASSY SCALER, B910PD2208B1
✻ UV02		23148418	HDMI MODULE, MHDM01A
✻ UV03		23764204	PC BOARD ASSY, FRONT AV PU PD2128A-2
TUNER			
⚠ H001		23321482	TUNER, US181CH IIC PH 5V PANA ELA52LX5
⚠ HY01		23321480	TUNER, TIF US IIC PH 181CH 5V ENG36A18GF
ACCESSORIES			
A701	#1	23067697	CARTON
	#2	23067698	CARTON
A703	#1	23946771	PACKING, TOP PACKING
	#2	23946772	PACKING, TOP PACKING
A708	#1	23946768	PACKING, BOTTOM PACKING
	#2	23946769	PACKING, BOTTOM PACKING
A709	#1	23067694	CARTON, BASE TRAY
	#2	23067695	CARTON, BASE TRAY
A710	#1	23946774	PACKING, SUPPORT POST
	#2	23946775	PACKING, SUPPORT POST
A721		23943628	PLYETHLENE COVERING 46GM88T
⚠ K912		23306617	REMOCON HAND UNIT IR, CTVUSA CT-90159
⚠ Y101E		23566609	OWNERS MANUAL, ENGLISH
⚠ Y101F		23566610	OWNERS MANUAL, FRENCH
Y102		23589650	SHEET, IMPORTANT NOTES
CABINET PARTS			
⚠ A025		23532769	COVER, LAMP TUNNEL PURCHASE ASY
⚠ A026		23428292	DOOR, DOOR LAMP PURCHASE ASSY
⚠ A101		23533280	COVER, BASE PURCHASE ASSEY
⚠ A201	#1	23533355	COVER, BEZEL PURCHASE ASSY
⚠	#2	23533345	COVER, BEZEL PURCHASE ASM
A204	#1	23532684	COVER, BACK COVER
	#2	23532763	COVER, BACK COVER
⚠ A205	#1	23532782	COVER, BACKCOVER PURCHASE ASSY
⚠	#2	23532784	COVER, BACKCOVER PURCHASE ASSY
A215		23940083	PIECE, PIECE ENCLOSURE,DLE
A220		23451976	PUSH CATCH, CLICK
⚠ A222	#1	23532770	COVER, PEDESTAL PURCHASE ASSY
⚠	#2	23532885	COVER, PEDESTAL ASSY
A225		23940084	PIECE, STRIKER
A227	#1	23433349	DECORATIVE, CTRL PANEL TRIM
	#2	23433348	DECORATIVE, CTRL PANEL TRIM
A231	#2	23940100	PIECE, PIECE SIDE RIGHT
A232	#2	23940099	PIECE, PIECE SIDE LEFT
⚠ A271	#1	23405474	OPTICAL ENGINE, LV-672 TB 0B
⚠	#2	23405476	OPTICAL ENGINE, LV-672 TB 0D
A278		23084267	BRACKET, SPEED CLIP
A333		23940463	PIECE, AV MOUNT PURCHASE ASY
⚠ A401		23533281	COVER, REAR COVER PURCHASE
A421		23532738	COVER, REAR COVER,DLE
A422		23084729	VENT, REAR DLE
E998Z		23311153	EXCHANGE LAMP, PJ-D95-LMP
K501	#1	23311133	SCREEN, 52K5M LENTICULAR SHEET
	#2	23311137	SCREEN, 62K5M LENTICULAR SHEET
K502	#1	23311072	SCREEN, 52K4M FRESNEL SHEET
	#2	23311081	SCREEN, 62K4MF FRESNEL SHEET
K601	#1	23405453	MIRROR, 52G4M3
	#2	23405455	MIRROR, 62G4M3

Location No.	Parts No.	Description
SK01	23587525	SERVICE KIT, LAMP FAN
SK02	23587526	SERVICE KIT, DMD FAN
SK03	23587527	SERVICE KIT, BALLAST FAN
SK04	23587528	SERVICE KIT, THERMOSTAT
SK06	23587536	SERVICE KIT, B TO F CABLE
SK08	23587538	SERVICE KIT, S TO F CABLE
SK09	23587539	SERVICE KIT, FAN TRANSFER CABLE

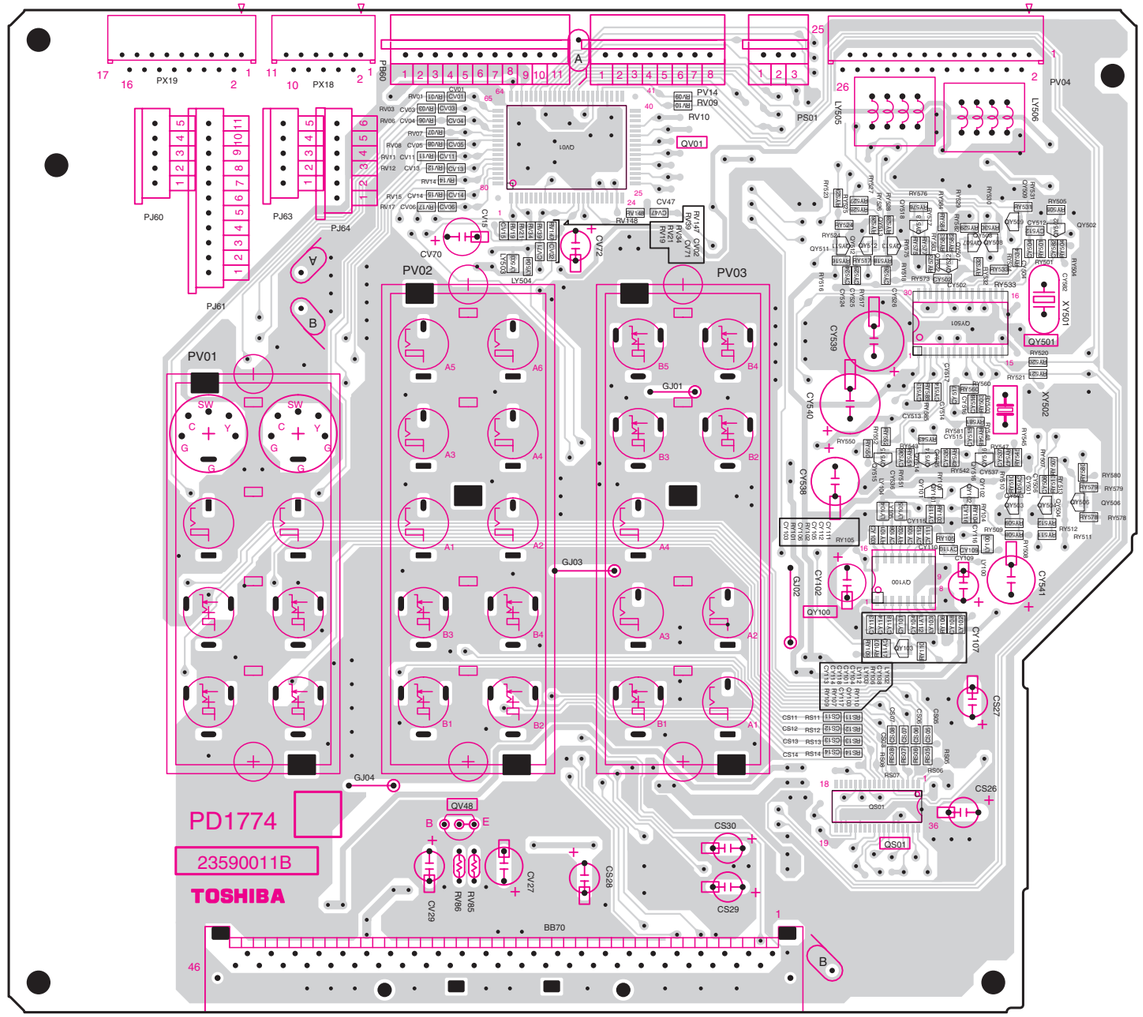
BACK AV BOARD PD1774C (U103)

BOTTOM (FOIL) SIDE



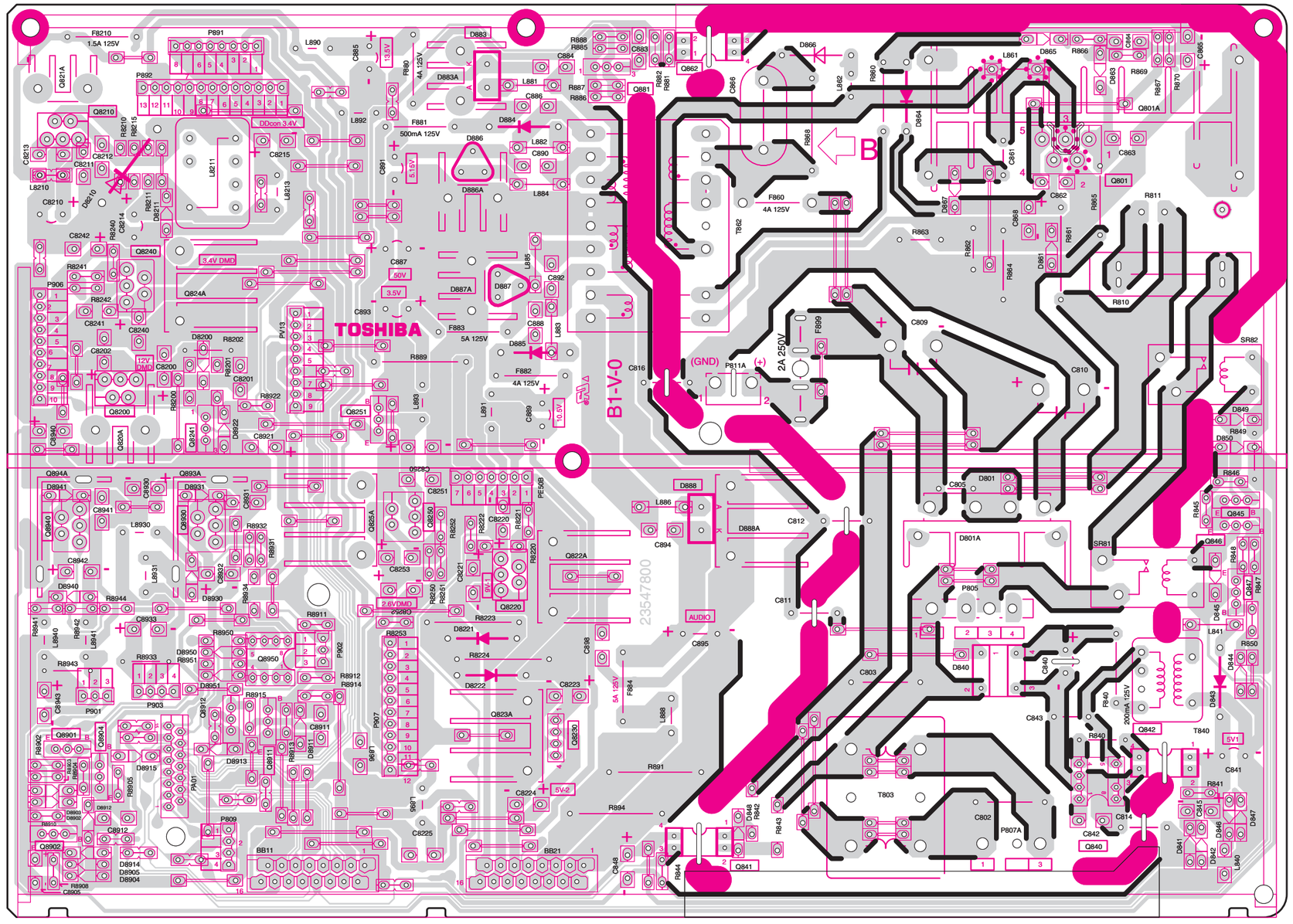
BACK AV BOARD PD1774C (U103)

TOP (COMPONENT) SIDE



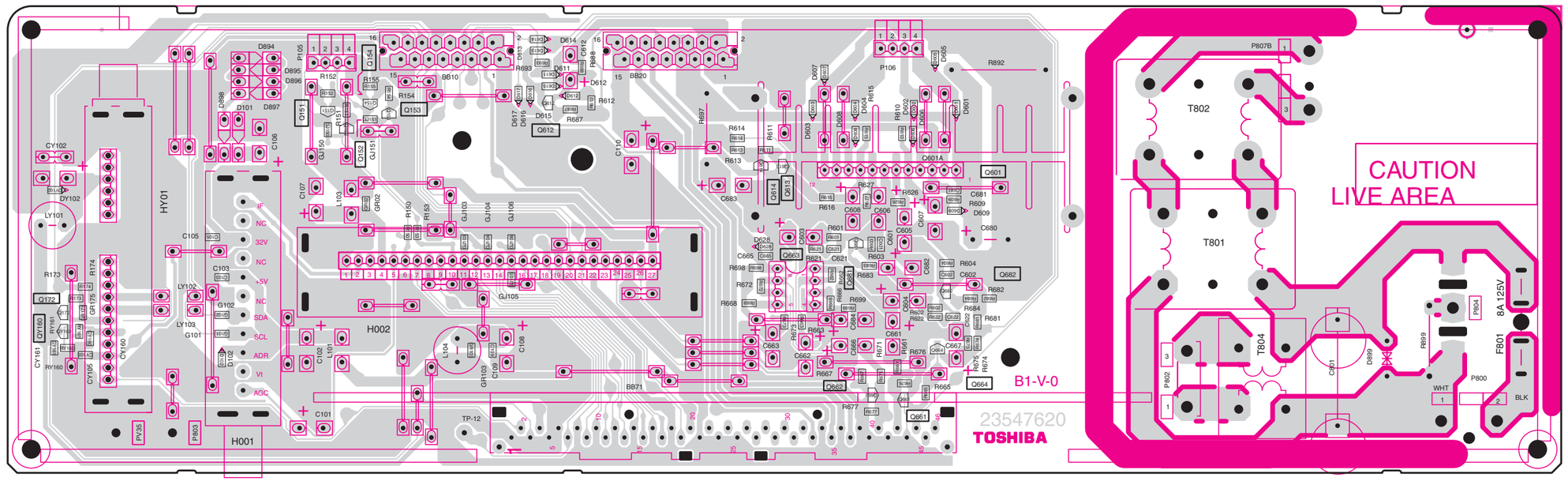
MAIN POWER BOARD PD2128A-1 (U802)

BOTTOM (FOIL) SIDE



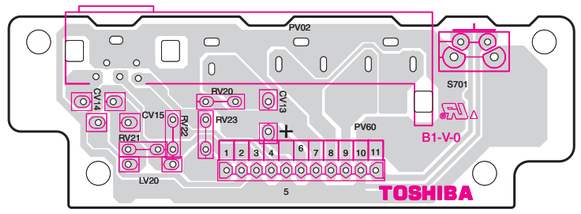
IF AUDIO BOARD PD1775D (U101)

BOTTOM (FOIL) SIDE



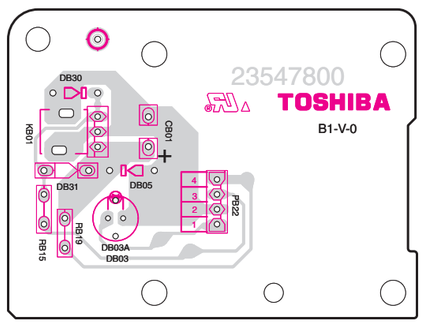
FRONT AV BOARD PD2128A-2 (UV03)

BOTTOM (FOIL) SIDE



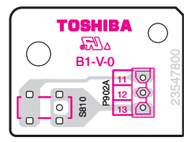
REMOTE SENSOR BOARD PD2128A-3 (UA02)

BOTTOM (FOIL) SIDE



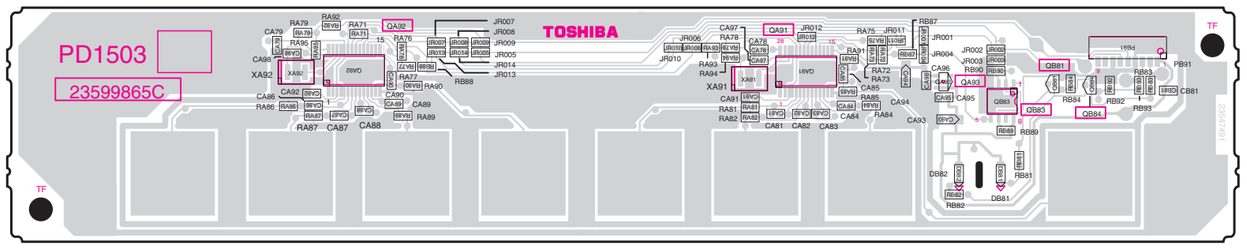
DOOR SWITCH BOARD PD2128A-4 (UA03)

BOTTOM (FOIL) SIDE



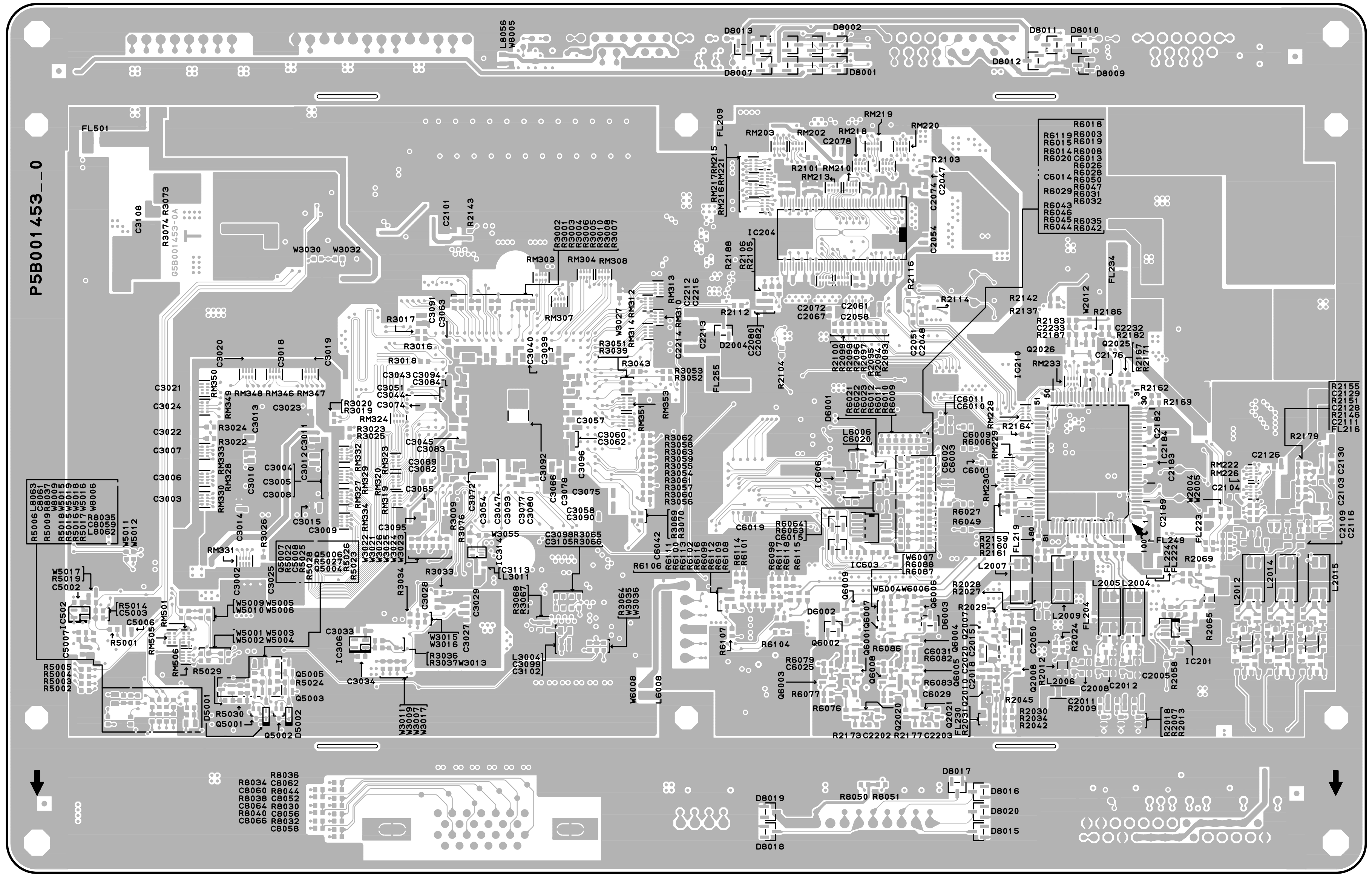
FRONT KEY BOARD PD2072H (UA06)

TOP (COMPONENT) SIDE



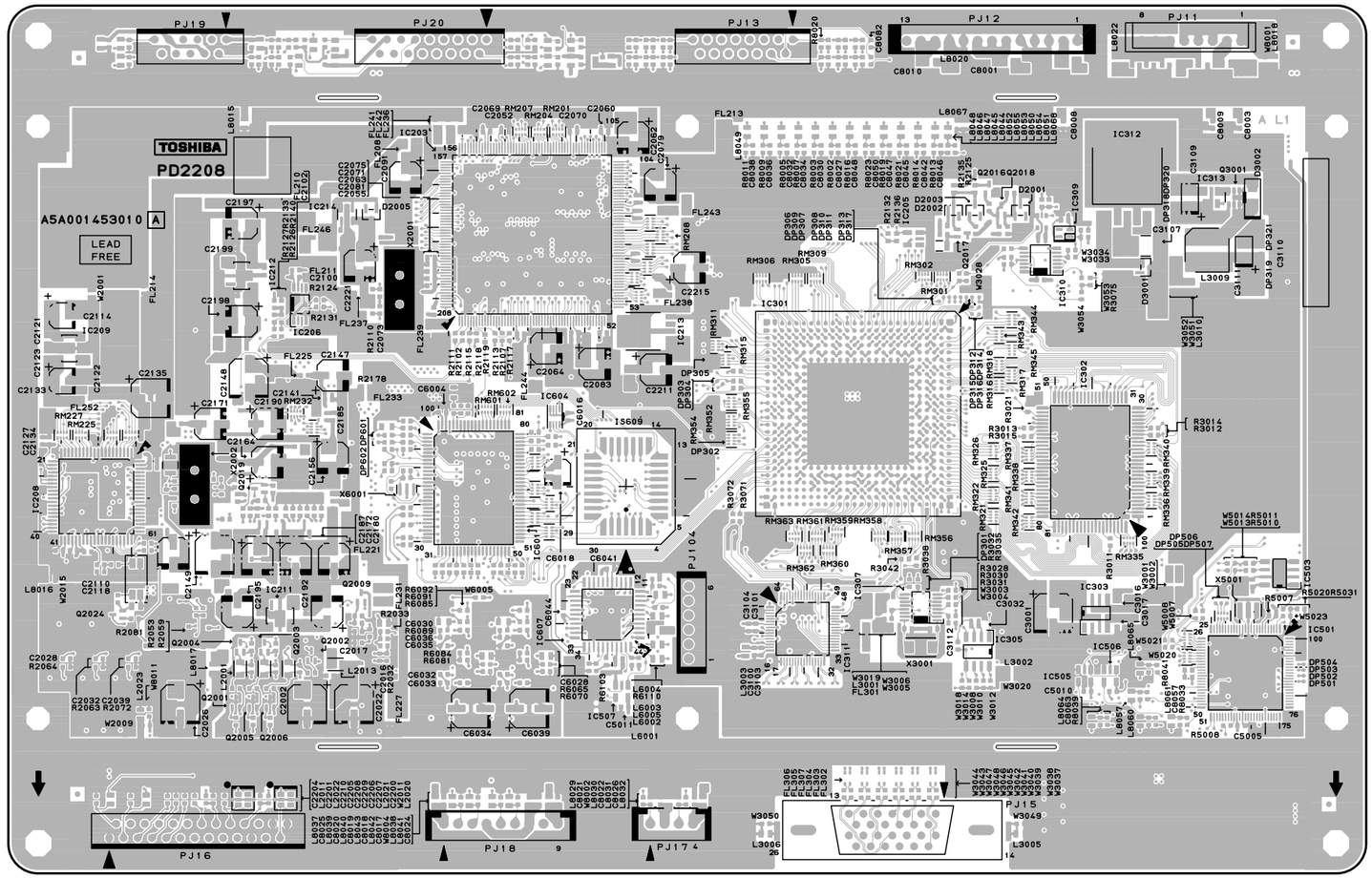
SCALER BOARD PD2208A1 (52HM85) (UD02)
SCALER BOARD PD2208B1 (62HM85) (UD02)

BOTTOM (FOIL) SIDE



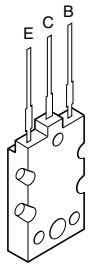
SCALER BOARD PD2208A1 (52HM85) (UD02)
SCALER BOARD PD2208B1 (62HM85) (UD02)

TOP (COMPONENT) SIDE

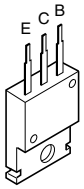

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TERMINAL VIEW OF TRANSISTORS

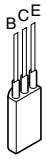
① 2SC5144
2SC5859



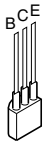
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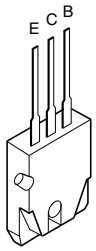
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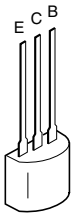
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2SC2878
2SC1740S
2SC2120
2SA9335



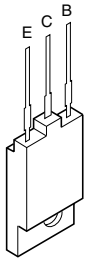
⑤ 2SA1788



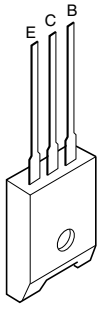
⑥ RN2203
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RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201



⑦ 2SD1554
2SD2253
2SD1556
2SD2553
2SC5143



⑧ ON4409



SCHEMATIC DIAGRAM

MODEL : 52HM85/62HM85

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

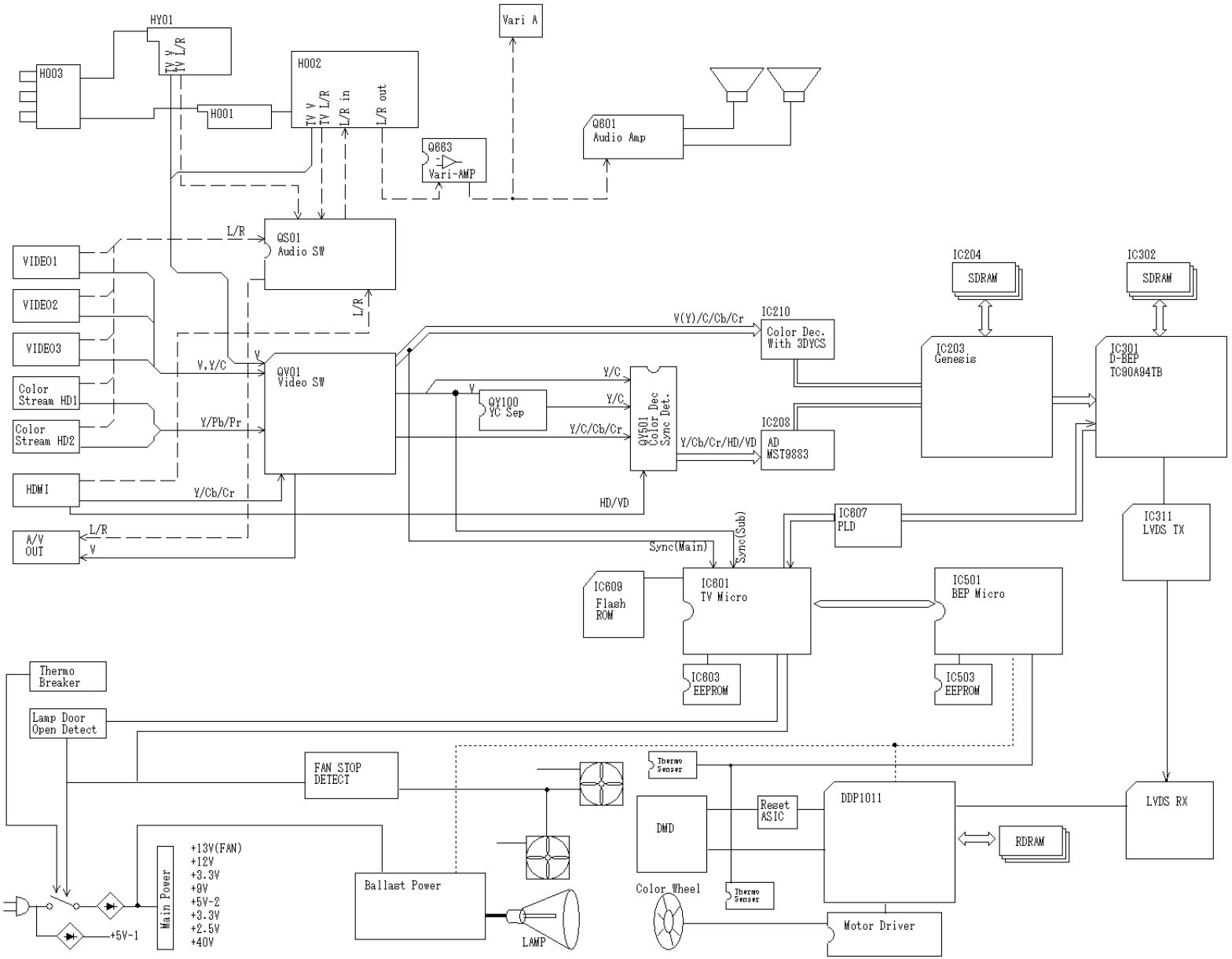
NOTE:

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon compsistion of 1/2 watt
   1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
   K = ±10% G = ±2% F = ±1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in F, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
    Electolytic capacitor  Mylar capacitor
3. The parts indicated with "⚠" have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage at 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.

■ **SCHEMA TIC DIAGRAM STRUCTURE:**

- BACK AV Circuit
  - (1/5) [SHEET - 1/5] 1/52
  - (2/5) [SHEET - 2/5] 2/52
  - (3/5) [SHEET - 3/5] 3/52
  - (4/5) [SHEET - 4/5] 4/52
  - (5/5) [SHEET - 5/5] 5/52
- IF AUDIO Circuit
  - (1/3) [SHEET - 1/3] 6/12
  - (2/3) [SHEET - 2/3] 7/52
  - (3/3) [SHEET - 3/3] 8/52
- F-AV Circuit 9/52
- AV_CONNECTOR Circuit 10/52
- AD_LPF Circuit 11/52
- DVCD2_LPF Circuit 12/52
- DVCD1_LPF Circuit 13/52
- 3chADC HD Circuit 14/52
- 3chADC MST9883 Circuit 15/52
- DVCD CSYNCIN Circuit 16/52
- DVCD TC90A92AFG Circuit 17/52
- DVCD POWER Circuit 18/52
- GENESIS Circuit
  - (1/2) [SHEET - 1/2] 19/52
  - (2/2) [SHEET - 2/2] 20/52
- SDRAM Circuit 21/52
- GENESIS_POWER Circuit 22/52
- GENESIS_IIC Circuit 23/52
- SCALER DIGITAL INPUT Circuit 24/52
- SCALER CAPTURE INPUT Circuit 25/52
- DDR SDRAM Circuit 26/52
- SCALER PLL Circuit 27/52
- OSD for North America Circuit 28/52
- IIC Circuit 29/52
- 94TB POWER Circuit 30/52
- LVDS OUT Circuit 31/52
- Power (3.3V_2 to 2.5V_DVCC) Circuit 32/52
- LVDS OUT CONNECTOR Circuit 33/52
- DC/DC CONVERTER Circuit 34/52
- SUB MICON Circuit
  - (1/3) [SHEET - 1/3] 35/52
  - (2/3) [SHEET - 2/3] 36/52
  - (3/3) [SHEET - 3/3] 37/52
- OSD MICON 4/4 Circuit 38/52
- MICON Circuit
  - (1/3) [SHEET - 1/3] 39/52
  - (2/3) [SHEET - 2/3] 40/52
  - (2/3) [SHEET - 3/3] 41/52
- TV MICON RESET IC & FLASH Circuit 42/52
- SYNC_DETECT Circuit 43/52
- PLD (US OSD SYNC Generator) Circuit 44/52
- POWER_CONNECTOR Circuit 45/52
- TV MICON CONNECTOR (1) Circuit 46/52
- CONNECTOR (TV MICON-POWER BOARD) Circuit 47/52
- CONNECTOR (DLF I/F) Circuit 48/52
- SERVICE CONNECTOR Circuit 49/52
- Front Key Circuit 50/52
- MAIN POWER Circuit 51/52
- AC IN Circuit 52/52

CIRCUIT BLOCK DIAGRAM



TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN

TOSHIBA

FILE NO. 020-200506

CIRCUIT DIAGRAMS

Projection Television

52HM85
62HM85

© TOSHIBA CORPORATION 2005

DOCUMENT CREATED IN JAPAN, June, 2005

SCHEMATIC DIAGRAM

MODEL : 52HM85/62HM85

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

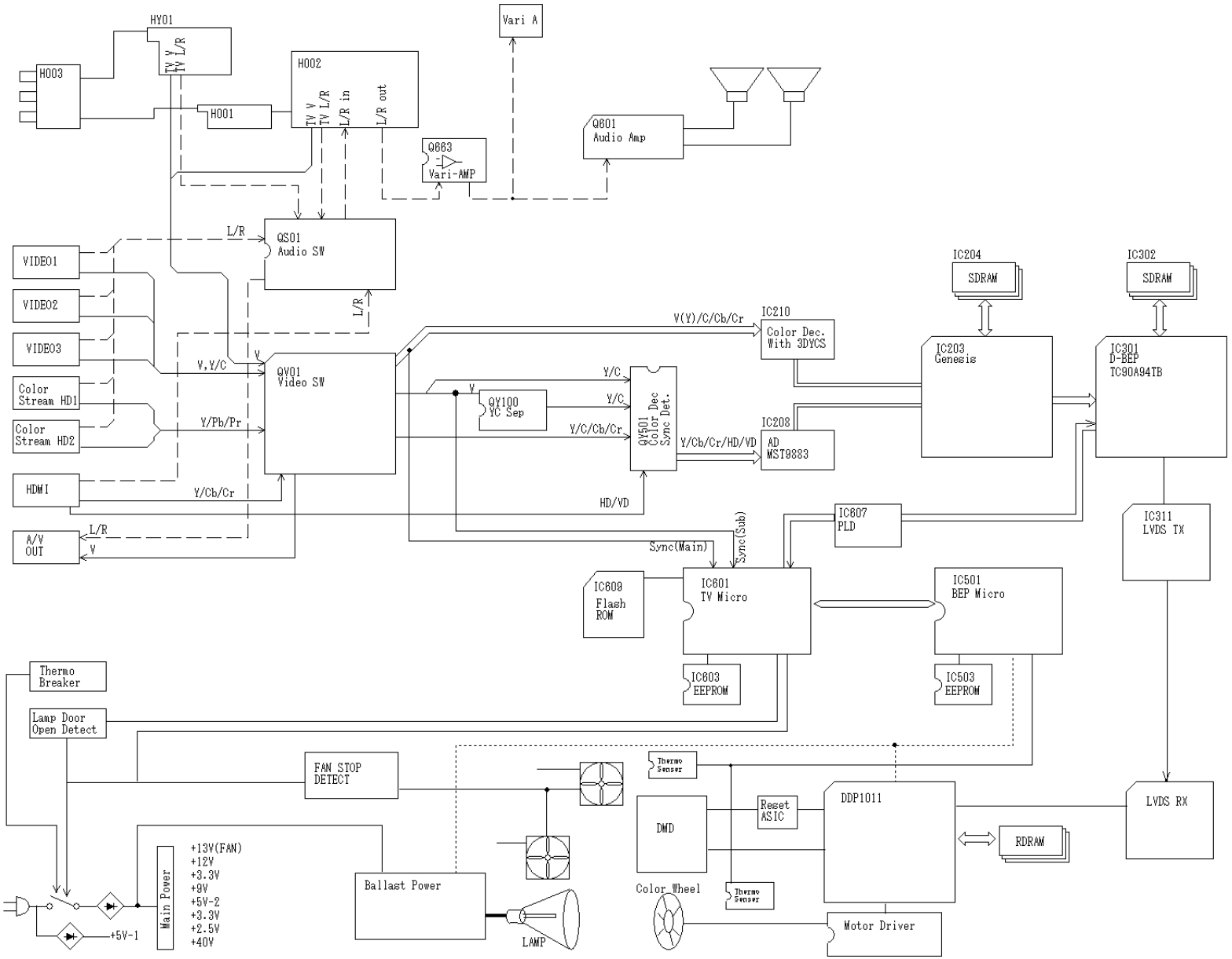
NOTE:

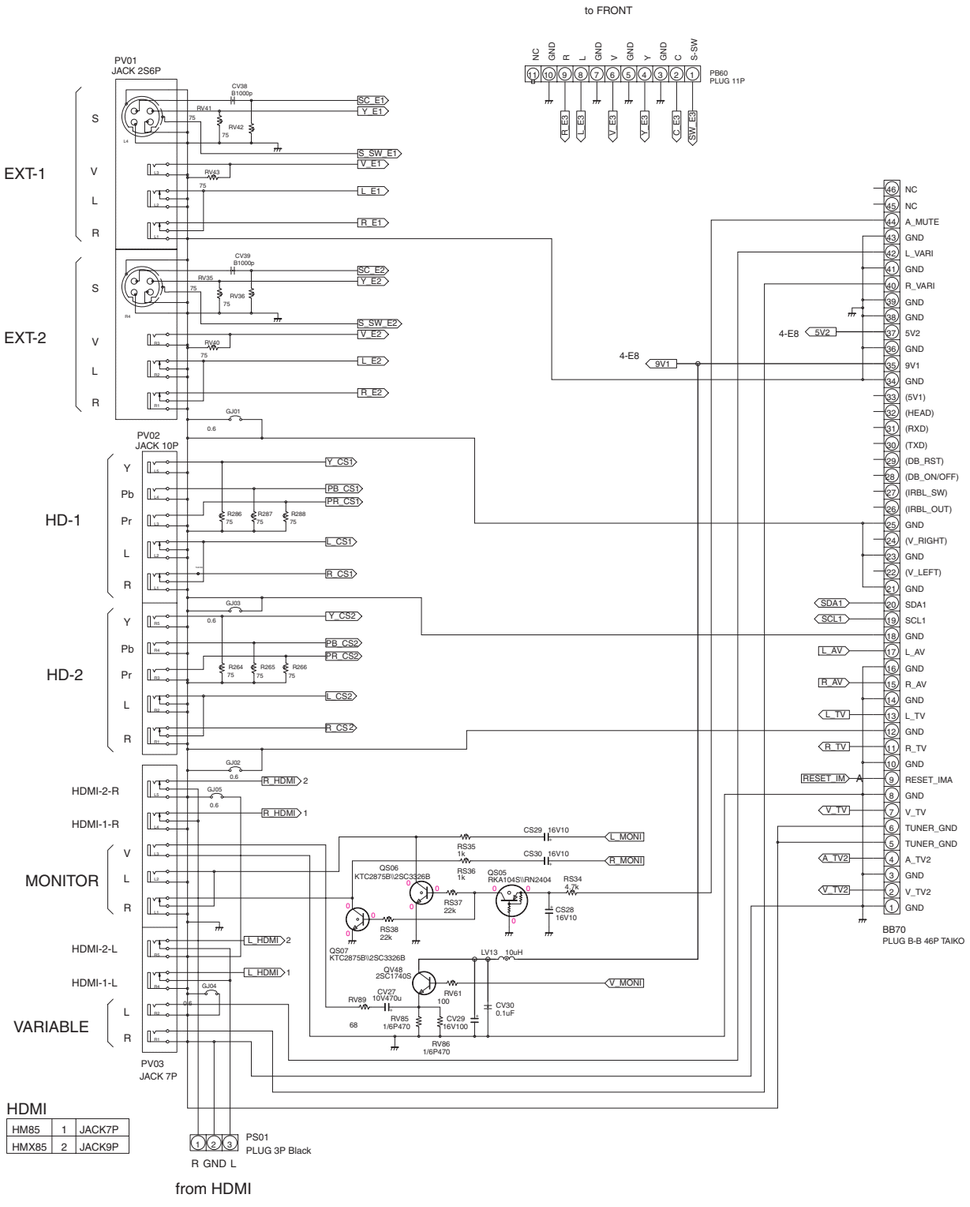
1. RESISTOR — Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt
   1/2S = Carbon compsistion of 1/2 watt
   1RF = Fuse resistor of 1 watt
   10W = Cement of 10 watt
   K = ±10% G = ±2% F = ±1%
2. CAPACITOR — Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in F, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
    Electolytic capacitor
    Mylar capacitor
3. The parts indicated with "⚠" have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage at 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.

■ SCHEMA TIC DIAGRAM STRUCTURE:

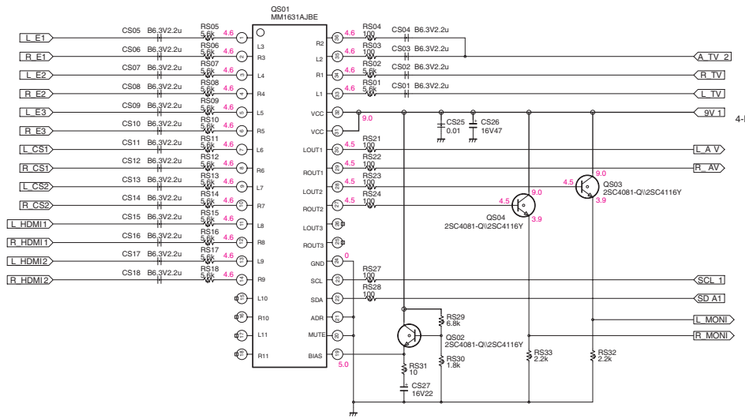
- BACK AV Circuit
  - (1/5) [SHEET - 1/5] 1/52
  - (2/5) [SHEET - 2/5] 2/52
  - (3/5) [SHEET - 3/5] 3/52
  - (4/5) [SHEET - 4/5] 4/52
  - (5/5) [SHEET - 5/5] 5/52
- IF AUDIO Circuit
  - (1/3) [SHEET - 1/3] 6/12
  - (2/3) [SHEET - 2/3] 7/52
  - (3/3) [SHEET - 3/3] 8/52
- F-AV Circuit 9/52
- AV_CONNECTOR Circuit 10/52
- AD_LPF Circuit 11/52
- DVCD2_LPF Circuit 12/52
- DVCD1_LPF Circuit 13/52
- 3chADC HD Circuit 14/52
- 3chADC MST9883 Circuit 15/52
- DVCD CSYNCIN Circuit 16/52
- DVCD TC90A92AFG Circuit 17/52
- DVCD POWER Circuit 18/52
- GENESIS Circuit
  - (1/2) [SHEET - 1/2] 19/52
  - (2/2) [SHEET - 2/2] 20/52
- SDRAM Circuit 21/52
- GENESIS_POWER Circuit 22/52
- GENESIS_IIC Circuit 23/52
- SCALER DIGITAL INPUT Circuit 24/52
- SCALER CAPTURE INPUT Circuit 25/52
- DDR SDRAM Circuit 26/52
- SCALER PLL Circuit 27/52
- OSD for North America Circuit 28/52
- IIC Circuit 29/52
- 94TB POWER Circuit 30/52
- LVDS OUT Circuit 31/52
- Power (3.3V_2 to 2.5V_DVCC) Circuit 32/52
- LVDS OUT CONNECTOR Circuit 33/52
- DC/DC CONVERTER Circuit 34/52
- SUB MICON Circuit
  - (1/3) [SHEET - 1/3] 35/52
  - (2/3) [SHEET - 2/3] 36/52
  - (3/3) [SHEET - 3/3] 37/52
- OSD MICON 4/4 Circuit 38/52
- MICON Circuit
  - (1/3) [SHEET - 1/3] 39/52
  - (2/3) [SHEET - 2/3] 40/52
  - (2/3) [SHEET - 3/3] 41/52
- TV MICON RESET IC & FLASH Circuit 42/52
- SYNC_DETECT Circuit 43/52
- PLD (US OSD SYNC Generator) Circuit 44/52
- POWER_CONNECTOR Circuit 45/52
- TV MICON CONNECTOR (1) Circuit 46/52
- CONNECTOR (TV MICON-POWER BOARD) Circuit 47/52
- CONNECTOR (DLF I/F) Circuit 48/52
- SERVICE CONNECTOR Circuit 49/52
- Front Key Circuit 50/52
- MAIN POWER Circuit 51/52
- AC IN Circuit 52/52

CIRCUIT BLOCK DIAGRAM

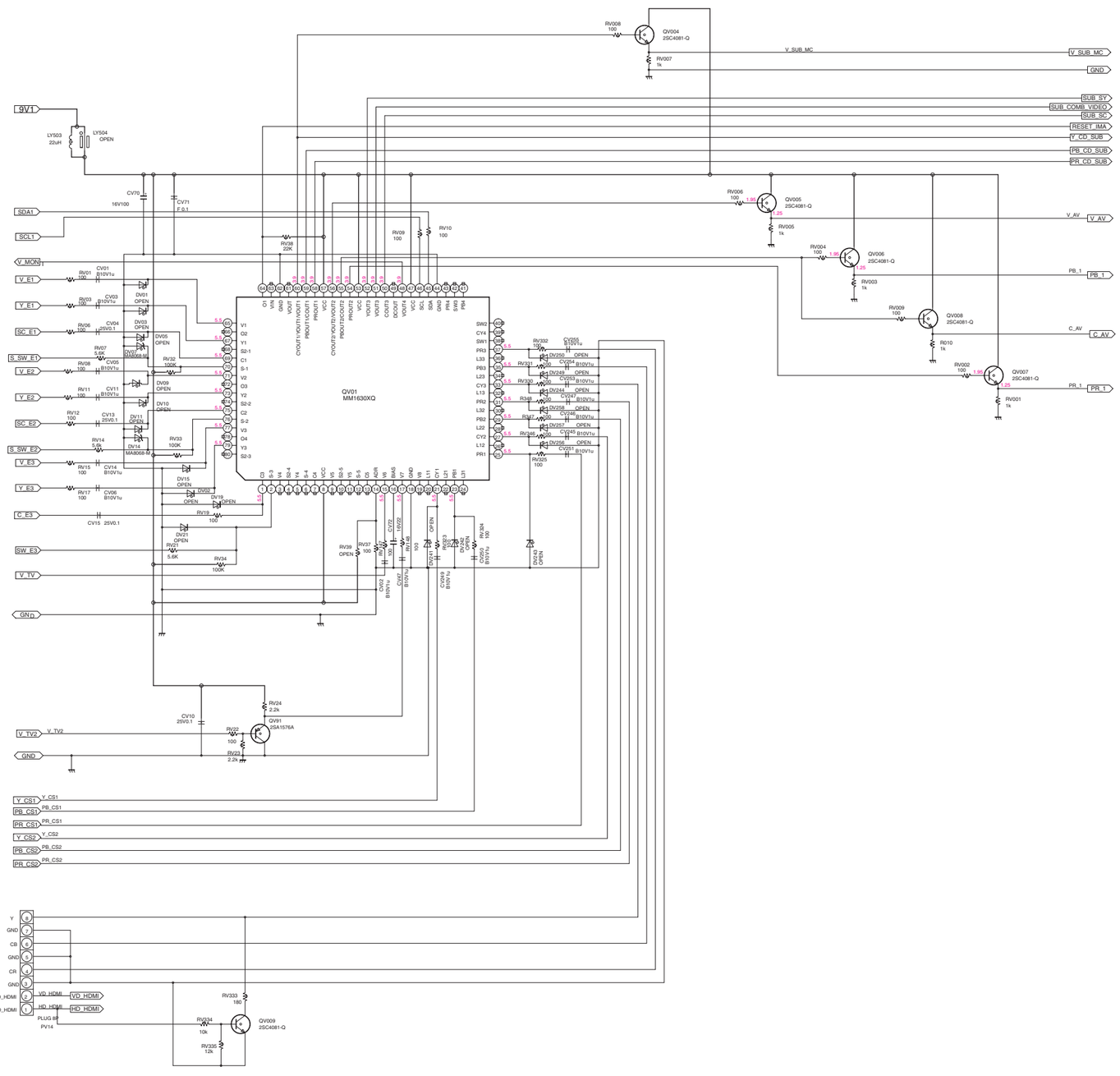



to FRONT
NC GND R L GND V GND Y GND C S-SW
PB60 PLUG 11P
R_E3 L_E3 V_E3 Y_E3 C_E3 SW_E3
PV01 JACK 2S6P
EXT-1
EXT-2
S V L R
SC_E1 Y_E1 S_SW_E1 V_E1 L_E1 R_E1
SC_E2 Y_E2 S_SW_E2 V_E2 L_E2 R_E2
CV38 B1000p
CV39 B1000p
RV41 RV42 RV43 RV35 RV36 RV60
GJ01
PV02 JACK 10P
HD-1
HD-2
Y Pb Pr L R
Y_CS1 PB_CS1 PR_CS1 L_CS1 R_CS1
Y_CS2 PB_CS2 PR_CS2 L_CS2 R_CS2
R286 R287 R288 R264 R265 R266
GJ03
GJ02
GJ05
GJ04
PV03 JACK 7P
HDMI-2-R HDMI-1-R MONITOR HDMI-2-L HDMI-1-L VARIABLE
R_HDMI 2 R_HDMI 1 L_HDMI 2 L_HDMI 1
HDMI
HM85 1 JACK7P
HMX85 2 JACK9P
PS01 PLUG 3P Black
R GND L
from HDMI
CS29 16V10 CS30 16V10
RS35 1k RS36 1k RS37 22k RS38 22k RS34 4.7k
CS28 16V10
QS06 KTC2875B\2SC3326B
QS05 RKA104S\RN2404
QS07 KTC2875B\2SC3326B
QV48 2SC1740S
LV13 10uH
CV27 10V470u
RV89 68
RV85 1/6P470
CV29 16V100
CV30 0.1uF
RV61 100
RV86 1/6P470
L_MONI R_MONI V_MONI
4-E8 9V1
4-E8 5V2
NC NC A_MUTE GND L_VARI GND R_VARI GND GND 5V2 GND 9V1 GND (5V1) (HEAD) (RXD) (TXD) (DB_RST) (DB_ON/OFF) (IRBL_SW) (IRBL_OUT) GND (V_RIGHT) GND (V_LEFT) GND SDA1 SCL1 GND L_AV GND R_AV GND L_TV GND R_TV GND RESET_IMA GND V_TV TUNER_GND TUNER_GND A_TV2 GND V_TV2 GND
SDA1 SCL1 L_AV R_AV L_TV R_TV RESET_IMA V_TV A_TV2 V_TV2
BB70
PLUG B-B 46P TAIKO

52HM85/62HM85
BACK AV (1/5)
SHEET-1/5

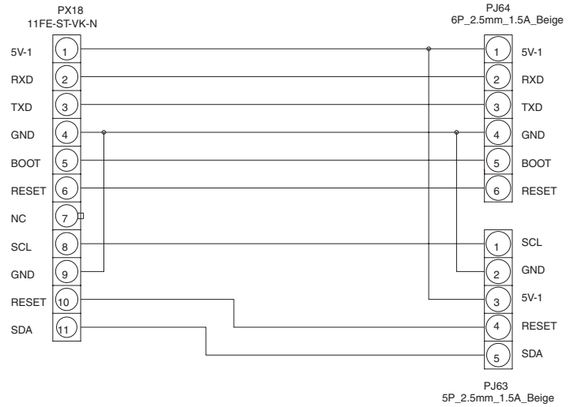


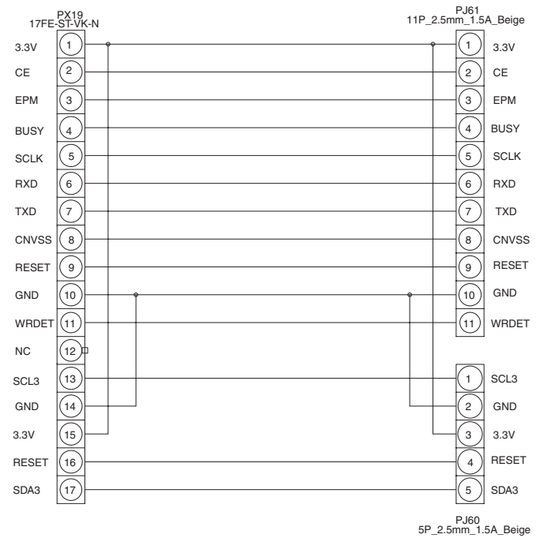
52HM85/62HM85
BACK AV (2/5)
SHEET-2/5



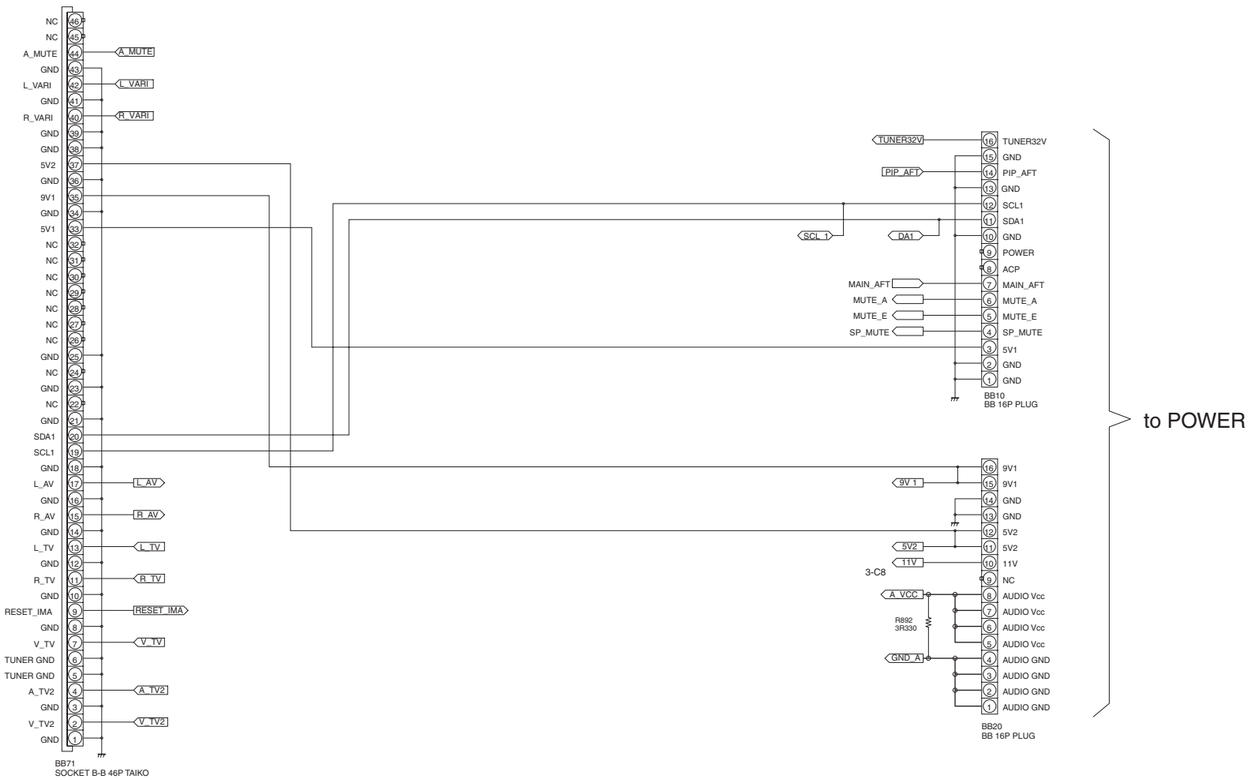
52HM85/62HM85
BACK AV (3/5)
SHEET-3/5

52HM85/62HM85
BACK AV (4/5)
SHEET-4/5

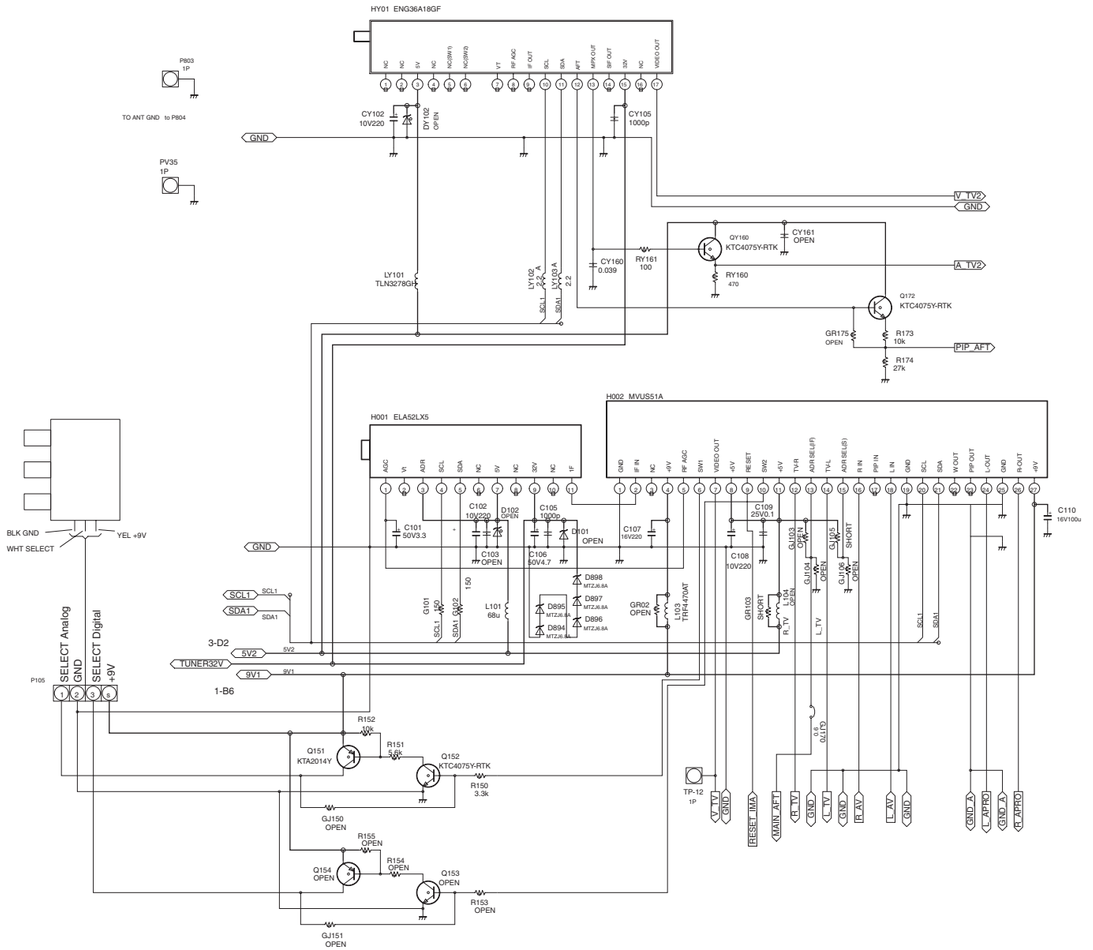




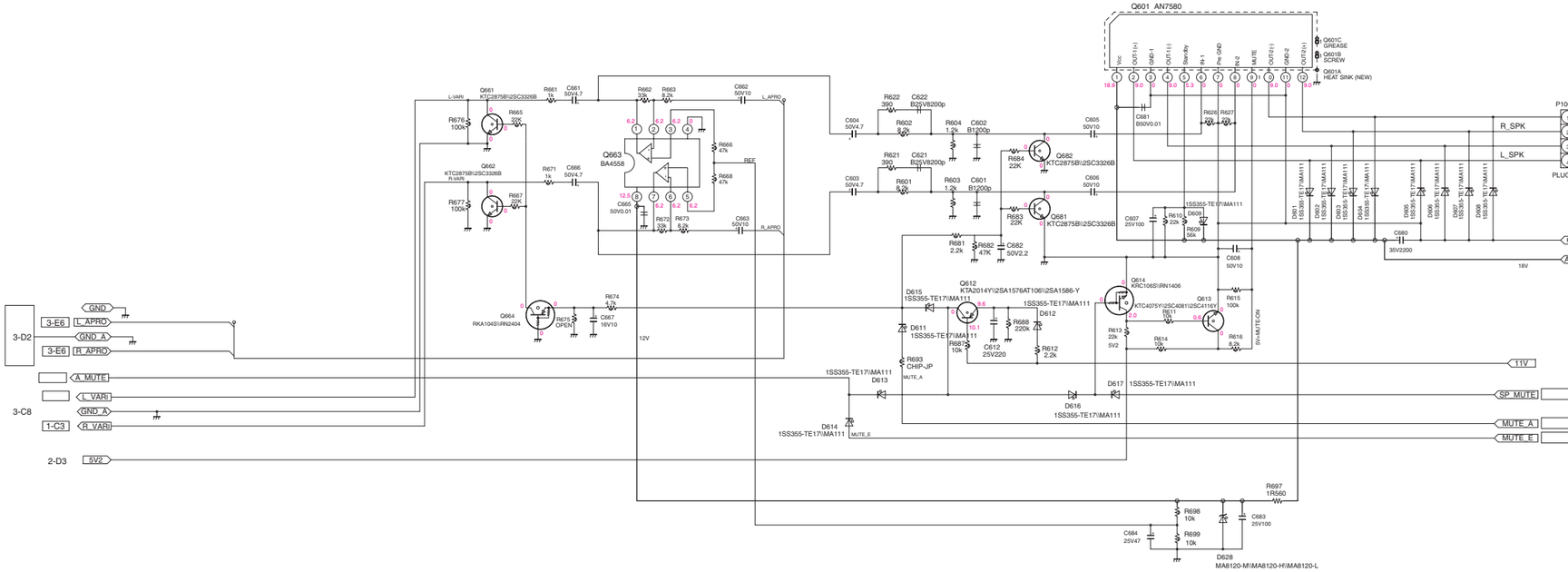
52HM85/62HM85
BACK AV (5/5)
SHEET-5/5



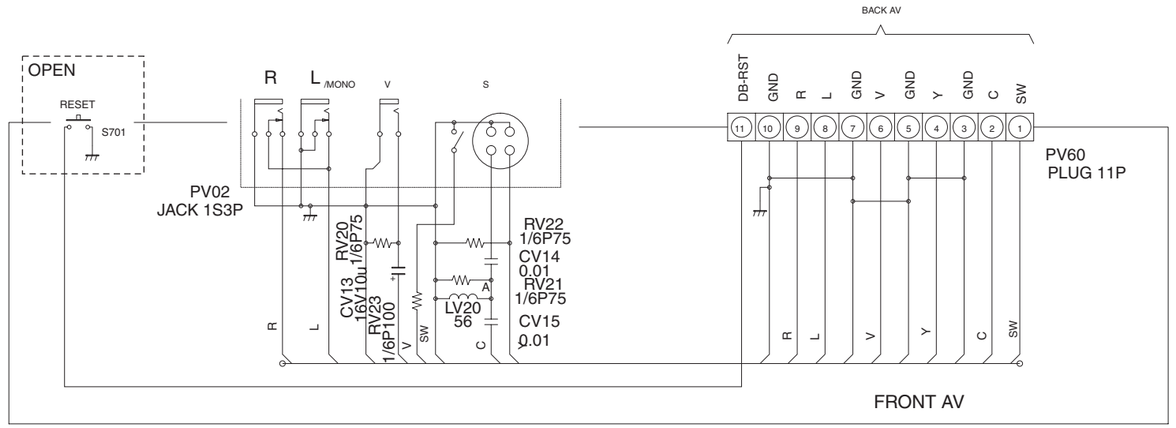
52HM85/62HM85
IF AUDIO (1/3)
SHEET-1/3

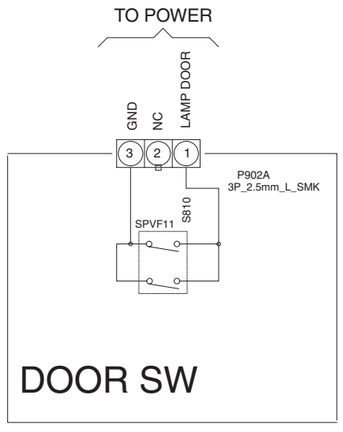


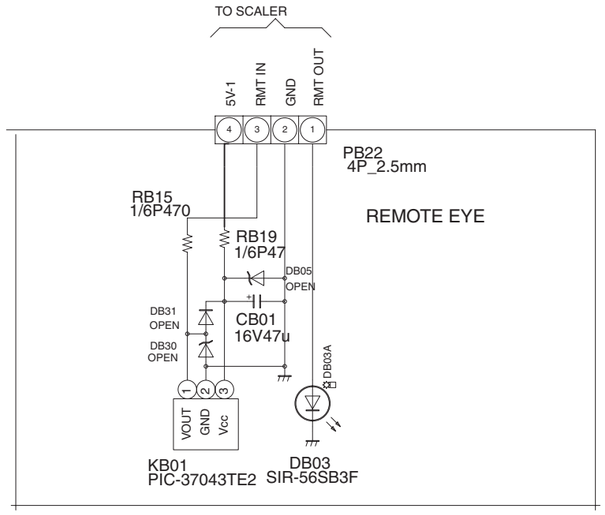
52HM85/62HM85
IF AUDIO (2/3)
SHEET-2/3



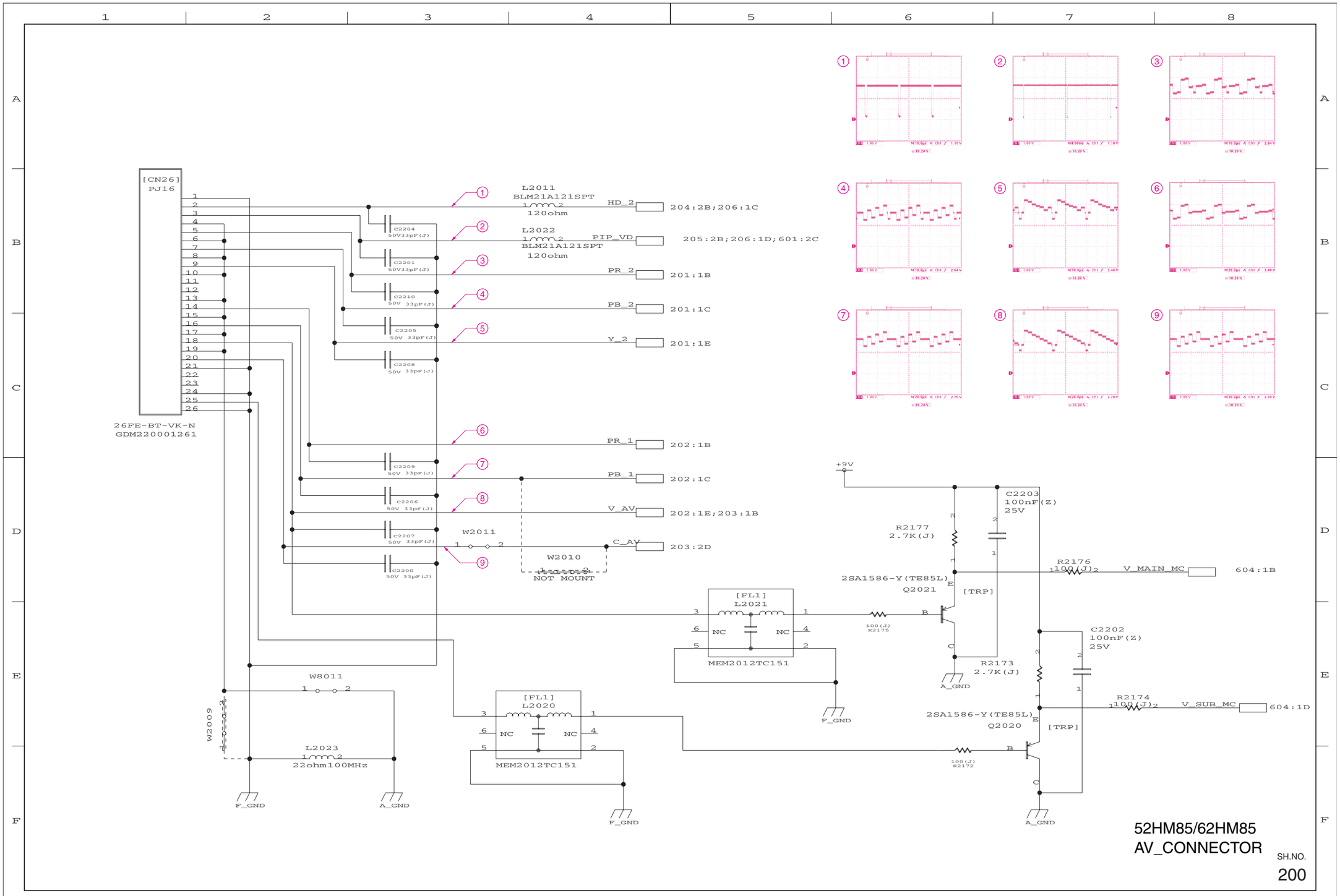
52HM85/62HM85
IF AUDIO (3/3)
SHEET-3/3

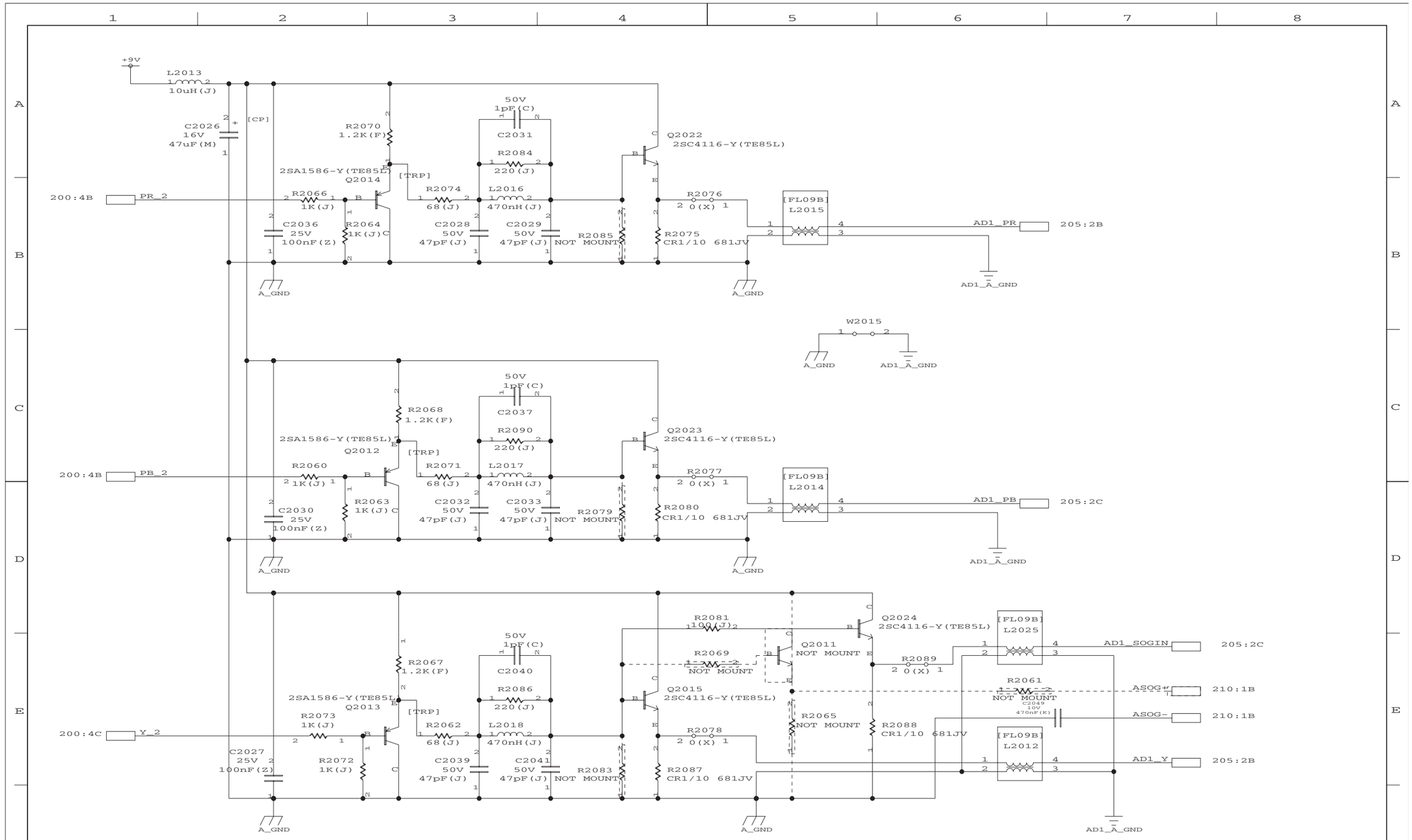






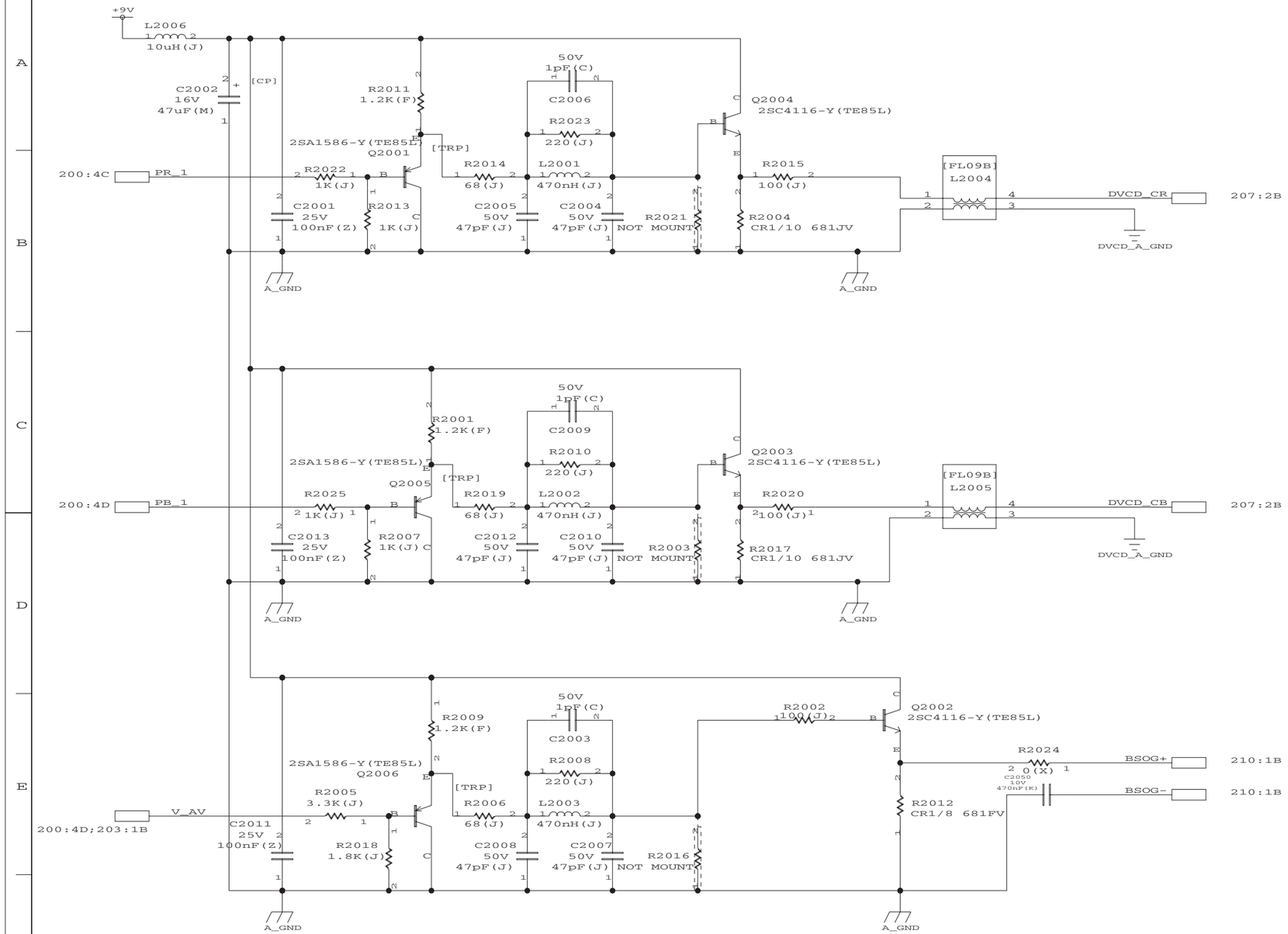
52HM85/62HM85
F-AV


[CN26]
PJ16
26FE-BT-VK-N
GDM220001261
L2011
BLM21A121SPT
120ohm
L2022
BLM21A121SPT
120ohm
HD_2
204:2B;206:1C
PIP_VD
205:2B;206:1D;601:2C
PR_2
201:1B
PB_2
201:1C
Y_2
201:1E
PR_1
202:1B
PB_1
202:1C
V_AV
202:1E;203:1B
C_AV
203:2D
C2204 50V33pF(J)
C2201 50V33pF(J)
C2210 50V 33pF(J)
C2205 50V 33pF(J)
C2208 50V 33pF(J)
C2209 50V 33pF(J)
C2206 50V 33pF(J)
C2207 50V 33pF(J)
C2200 50V 33pF(J)
W2011
W2010
NOT MOUNT
W8011
W2009
L2023
22ohm100MHz
F_GND
A_GND
[FL1]
L2021
[FL1]
L2020
MEM2012TC151
NC
100(J)
R2175
R2172
+9V
C2203
100nF(Z)
25V
R2177
2.7K(J)
R2176
100(J)
V_MAIN_MC
604:1B
2SA1586-Y(TE85L)
Q2021
[TRP]
R2173
2.7K(J)
C2202
100nF(Z)
25V
R2174
100(J)
V_SUB_MC
604:1D
2SA1586-Y(TE85L)
Q2020
[TRP]
52HM85/62HM85
AV_CONNECTOR
SH.NO.
200



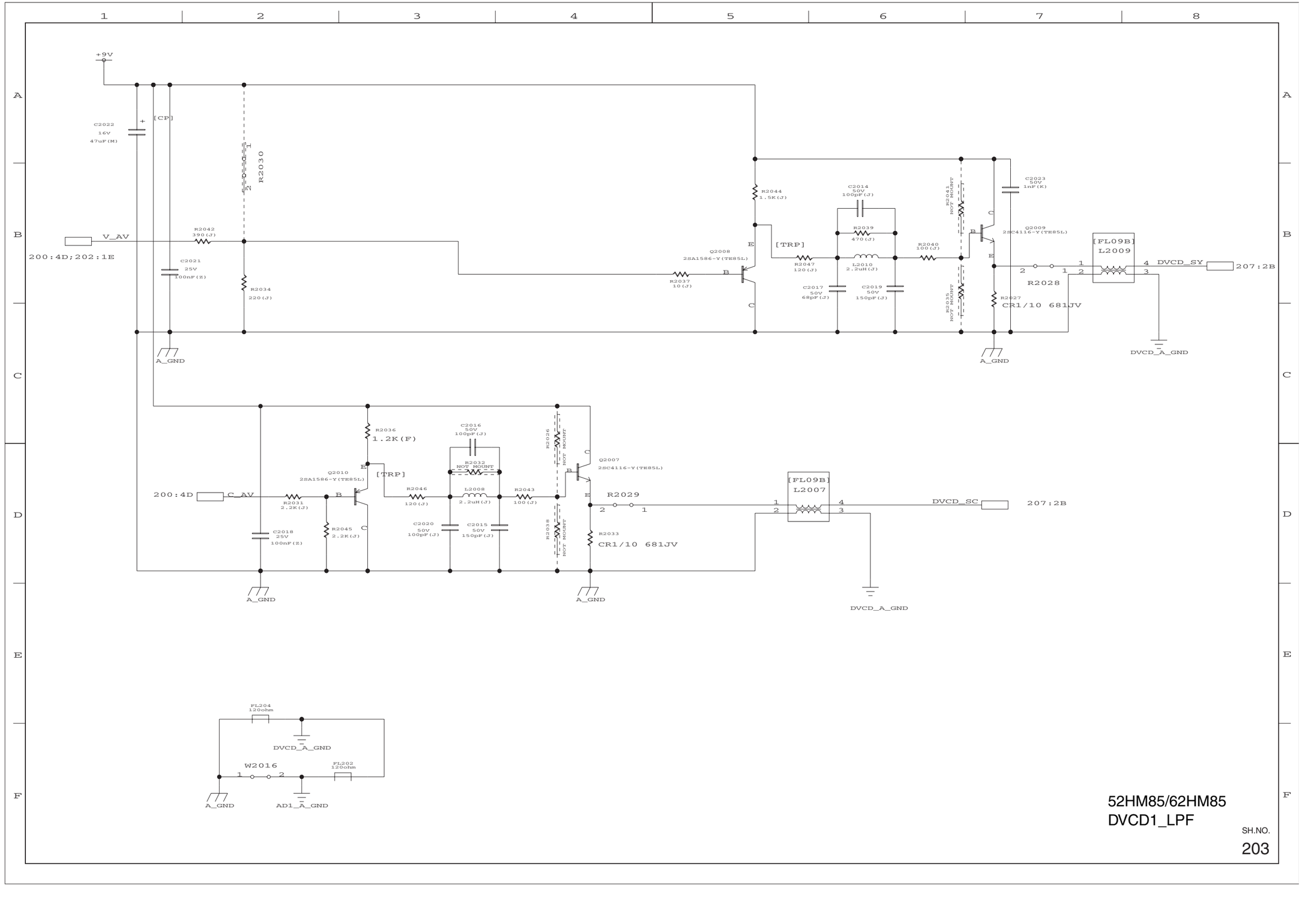
52HM85/62HM85
AD_LPF

SH.NO.
201



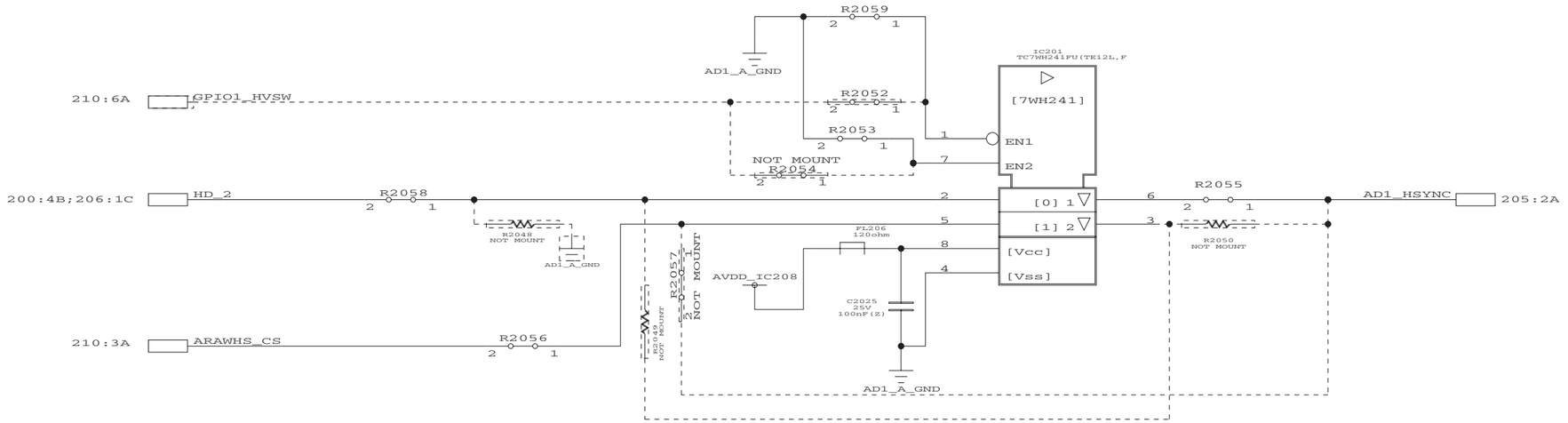
52HM85/62HM85
DVCD2_LPF

SH.NO.
202



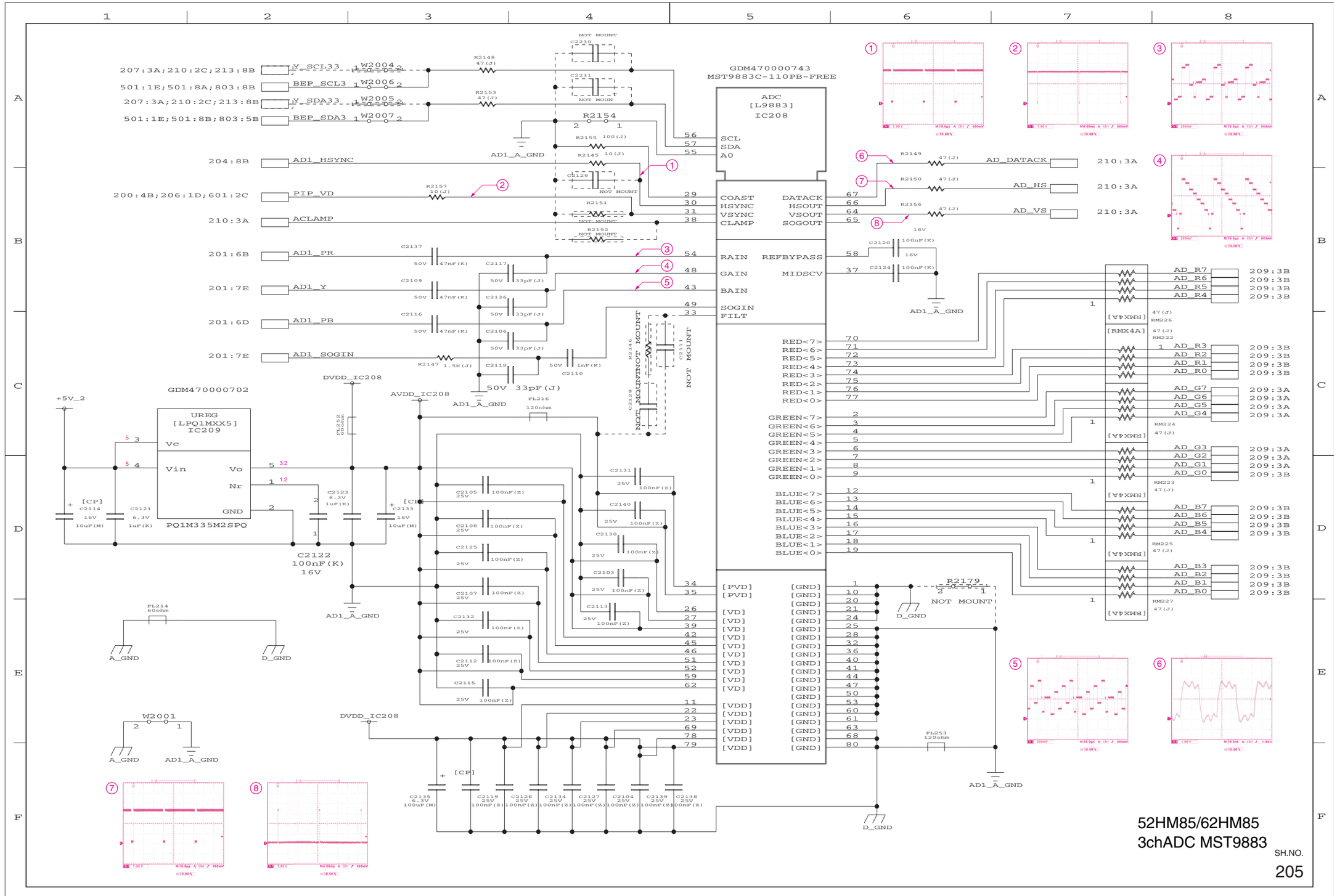
52HM85/62HM85
DVCD1_LPF

SH.NO.
203

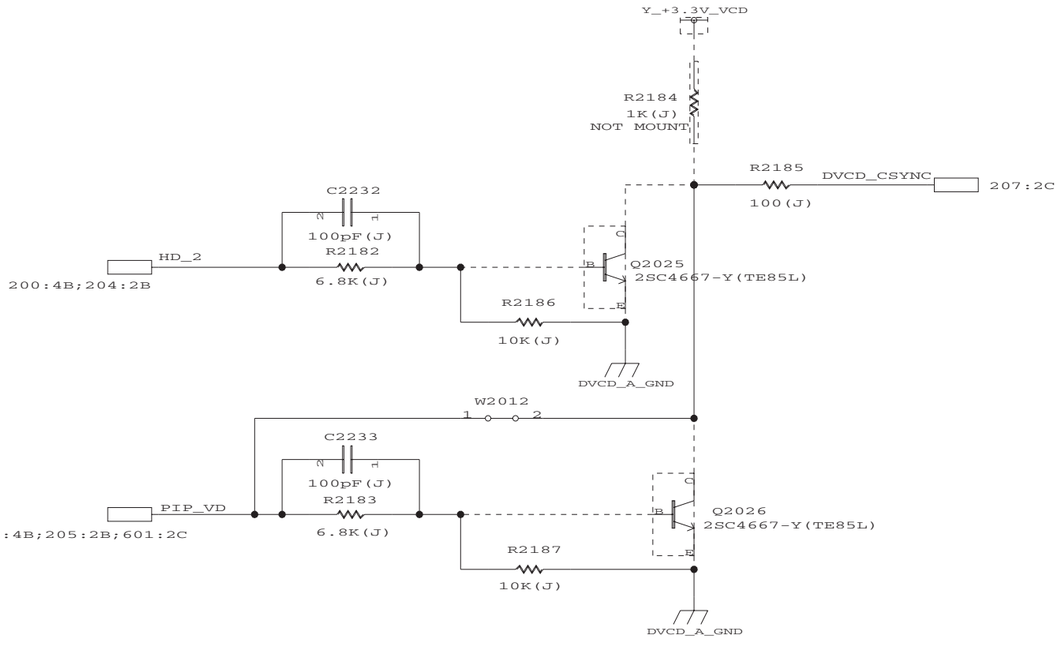


52HM85/62HM85
3chADC HD

SH.NO.
204


GDM470000743
MST9883C-110PB-FREE
ADC
[L9883]
IC208
GDM470000702
UREG
[LPQ1MXX5]
IC209
PQ1M335M2SPQ
52HM85/62HM85
3chADC MST9883
SH.NO.
205

(15/52)



52HM85/62HM85
DVCD CSYNCIN

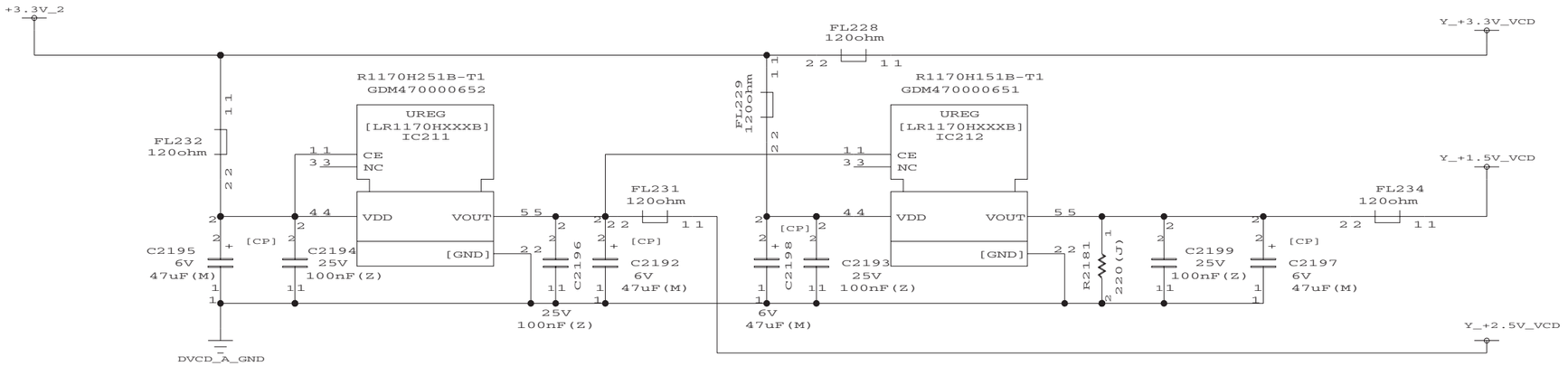
SH.NO.
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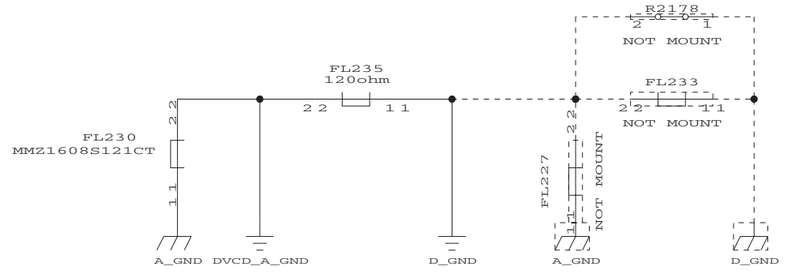
TC90A92AFG(BH,DRY)
GDM450000259

VIDEO DECODER
[U90A92]
IC210

52HM85/62HM85
DVCD TC90A92AFG

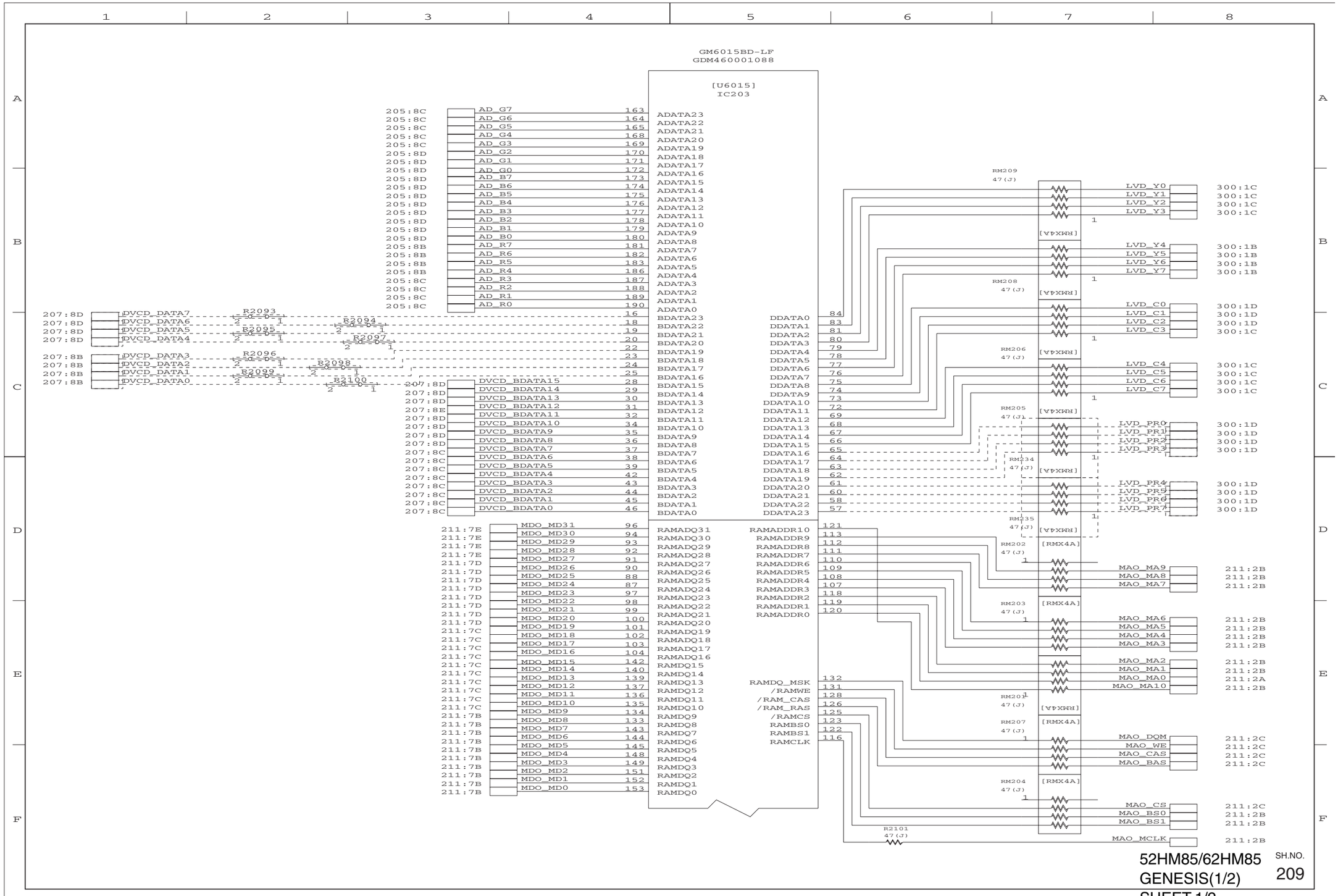
SH.NO.
207

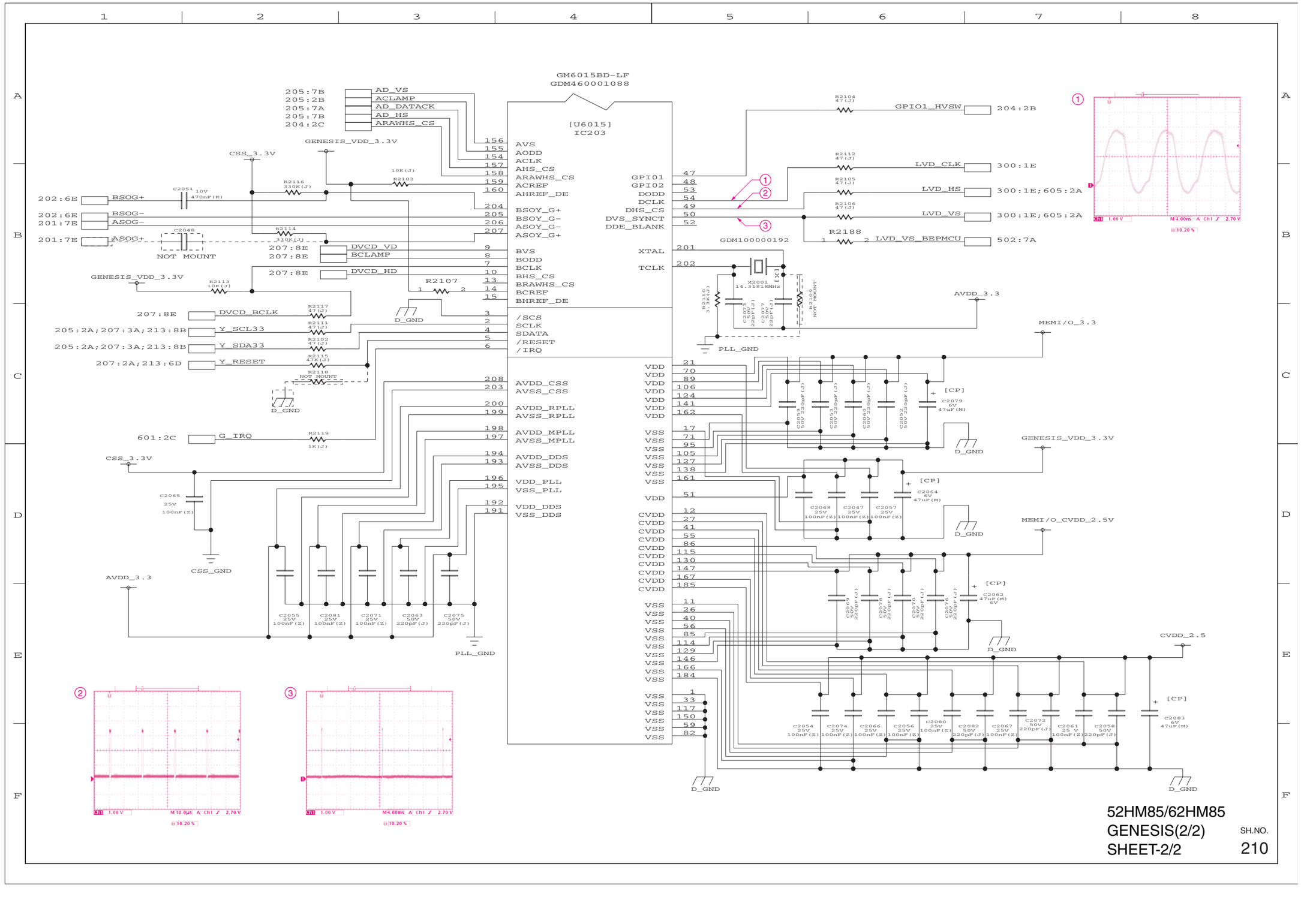


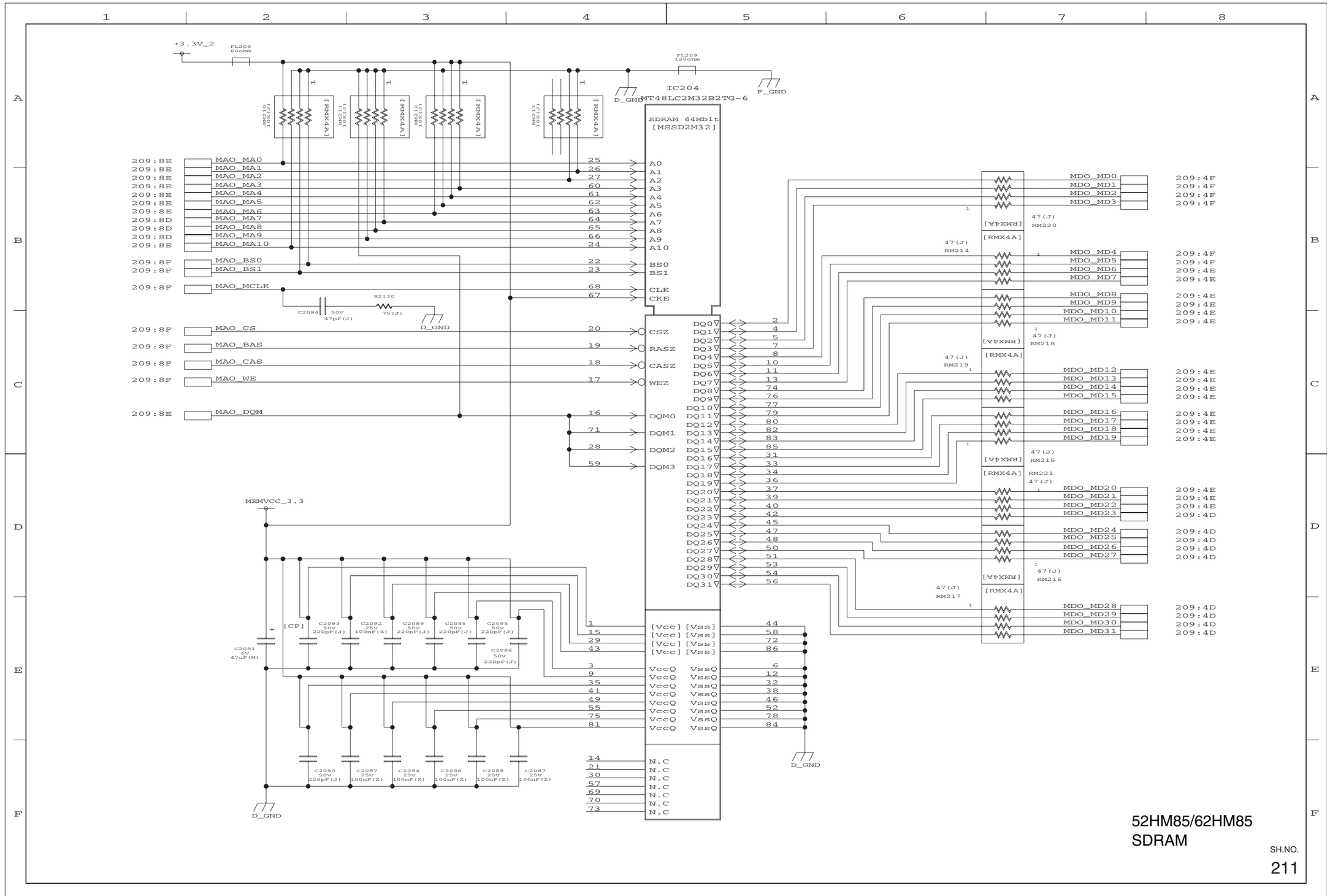


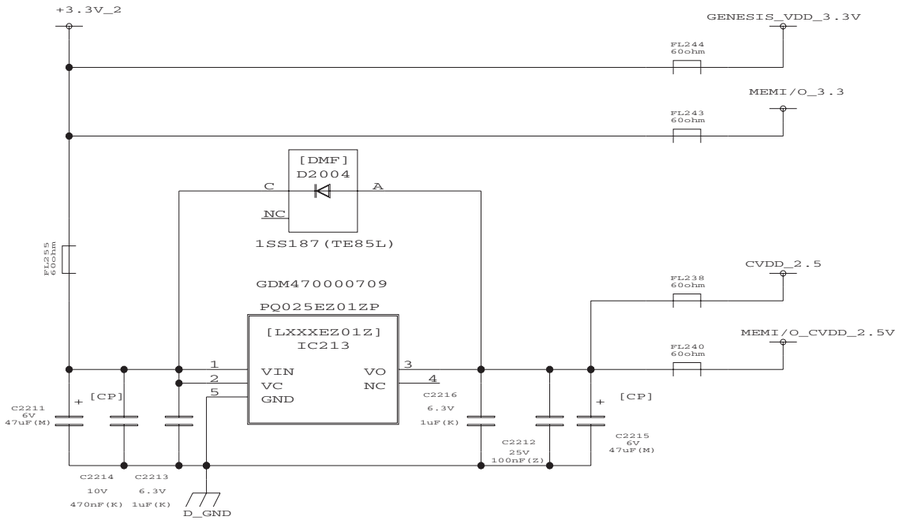
52HM85/62HM85
DVCD POWER

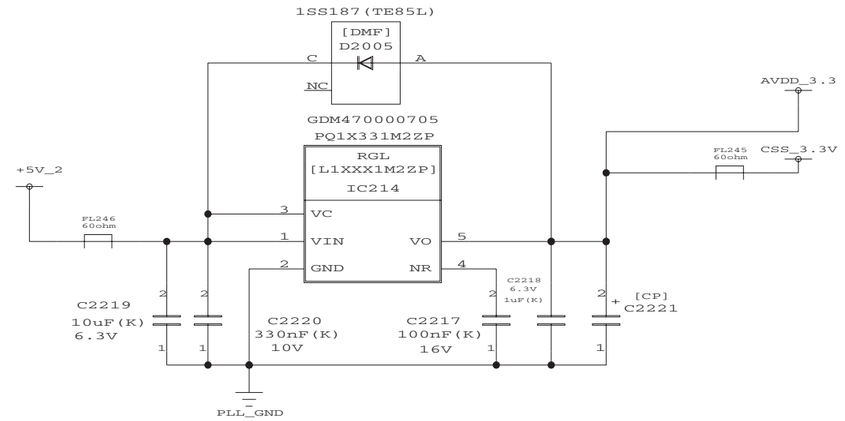
SH.NO.
208

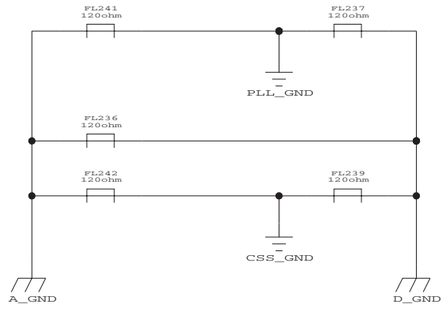

GM6015BD-LF
GDM460001088
[U6015]
IC203
AD_G7 163 ADATA23
AD_G6 164 ADATA22
AD_G5 165 ADATA21
AD_G4 168 ADATA20
AD_G3 169 ADATA19
AD_G2 170 ADATA18
AD_G1 171 ADATA17
AD_G0 172 ADATA16
AD_B7 173 ADATA15
AD_B6 174 ADATA14
AD_B5 175 ADATA13
AD_B4 176 ADATA12
AD_B3 177 ADATA11
AD_B2 178 ADATA10
AD_B1 179 ADATA9
AD_B0 180 ADATA8
AD_R7 181 ADATA7
AD_R6 182 ADATA6
AD_R5 183 ADATA5
AD_R4 186 ADATA4
AD_R3 187 ADATA3
AD_R2 188 ADATA2
AD_R1 189 ADATA1
AD_R0 190 ADATA0
DVCD_DATA7 R2093 16 BDATA23
DVCD_DATA6 R2094 18 BDATA22
DVCD_DATA5 R2095 19 BDATA21
DVCD_DATA4 R2097 20 BDATA20
22 BDATA19
23 BDATA18
DVCD_DATA3 R2096 24 BDATA17
DVCD_DATA2 R2098 25 BDATA16
DVCD_DATA1 R2099 28 BDATA15
DVCD_DATA0 R2100 29 BDATA14
DVCD_BDATA15 30 BDATA13
DVCD_BDATA14 31 BDATA12
DVCD_BDATA13 32 BDATA11
DVCD_BDATA12 34 BDATA10
DVCD_BDATA11 35 BDATA9
DVCD_BDATA10 36 BDATA8
DVCD_BDATA9 37 BDATA7
DVCD_BDATA8 38 BDATA6
DVCD_BDATA7 39 BDATA5
DVCD_BDATA6 42 BDATA4
DVCD_BDATA5 43 BDATA3
DVCD_BDATA4 44 BDATA2
DVCD_BDATA3 45 BDATA1
DVCD_BDATA2 46 BDATA0
DVCD_BDATA1
DVCD_BDATA0
MDO_MD31 96 RAMADQ31
MDO_MD30 94 RAMADQ30
MDO_MD29 93 RAMADQ29
MDO_MD28 92 RAMADQ28
MDO_MD27 91 RAMADQ27
MDO_MD26 90 RAMADQ26
MDO_MD25 88 RAMADQ25
MDO_MD24 87 RAMADQ24
MDO_MD23 97 RAMADQ23
MDO_MD22 98 RAMADQ22
MDO_MD21 99 RAMADQ21
MDO_MD20 100 RAMADQ20
MDO_MD19 101 RAMADQ19
MDO_MD18 102 RAMADQ18
MDO_MD17 103 RAMADQ17
MDO_MD16 104 RAMADQ16
MDO_MD15 142 RAMDQ15
MDO_MD14 140 RAMDQ14
MDO_MD13 139 RAMDQ13
MDO_MD12 137 RAMDQ12
MDO_MD11 136 RAMDQ11
MDO_MD10 135 RAMDQ10
MDO_MD9 134 RAMDQ9
MDO_MD8 133 RAMDQ8
MDO_MD7 143 RAMDQ7
MDO_MD6 144 RAMDQ6
MDO_MD5 145 RAMDQ5
MDO_MD4 148 RAMDQ4
MDO_MD3 149 RAMDQ3
MDO_MD2 151 RAMDQ2
MDO_MD1 152 RAMDQ1
MDO_MD0 153 RAMDQ0
DDATA0 84
DDATA1 83
DDATA2 81
DDATA3 80
DDATA4 79
DDATA5 78
DDATA6 77
DDATA7 76
DDATA8 75
DDATA9 74
DDATA10 73
DDATA11 72
DDATA12 69
DDATA13 68
DDATA14 67
DDATA15 66
DDATA16 65
DDATA17 64
DDATA18 63
DDATA19 62
DDATA20 61
DDATA21 60
DDATA22 58
DDATA23 57
RAMADDR10 121
RAMADDR9 113
RAMADDR8 112
RAMADDR7 111
RAMADDR6 110
RAMADDR5 109
RAMADDR4 108
RAMADDR3 107
RAMADDR2 118
RAMADDR1 119
RAMADDR0 120
RAMDQ_MSK 132
/RAMWE 131
/RAM_CAS 128
/RAM_RAS 126
/RAMCS 125
RAMBS0 123
RAMBS1 122
RAMCLK 116
R2101 47(J)
RM209 47(J) [RMX4A]
RM208 47(J) [RMX4A]
RM206 47(J) [RMX4A]
RM205 47(J) [RMX4A]
RM234 47(J) [RMX4A]
RM235 47(J) [RMX4A]
RM202 47(J) [RMX4A]
RM203 47(J) [RMX4A]
RM201 47(J) [RMX4A]
RM207 47(J) [RMX4A]
RM204 47(J) [RMX4A]
LVD_Y0 300:1C
LVD_Y1 300:1C
LVD_Y2 300:1C
LVD_Y3 300:1C
LVD_Y4 300:1B
LVD_Y5 300:1B
LVD_Y6 300:1B
LVD_Y7 300:1B
LVD_C0 300:1D
LVD_C1 300:1D
LVD_C2 300:1D
LVD_C3 300:1C
LVD_C4 300:1C
LVD_C5 300:1C
LVD_C6 300:1C
LVD_C7 300:1C
LVD_PR0 300:1D
LVD_PR1 300:1D
LVD_PR2 300:1D
LVD_PR3 300:1D
LVD_PR4 300:1D
LVD_PR5 300:1D
LVD_PR6 300:1D
LVD_PR7 300:1D
MAO_MA9 211:2B
MAO_MA8 211:2B
MAO_MA7 211:2B
MAO_MA6 211:2B
MAO_MA5 211:2B
MAO_MA4 211:2B
MAO_MA3 211:2B
MAO_MA2 211:2B
MAO_MA1 211:2B
MAO_MA0 211:2A
MAO_MA10 211:2B
MAO_DQM 211:2C
MAO_WE 211:2C
MAO_CAS 211:2C
MAO_BAS 211:2C
MAO_CS 211:2C
MAO_BS0 211:2B
MAO_BS1 211:2B
MAO_MCLK 211:2B
52HM85/62HM85
GENESIS(1/2)
SHEET-1/2
SH.NO.
209


GM6015BD-LF
GDM460001088
[U6015]
IC203
205:7B AD_VS
205:2B ACLAMP
205:7A AD_DATACK
205:7B AD_HS
204:2C ARAWHS_CS
GENESIS_VDD_3.3V
CSS_3.3V
202:6E BSOG+
202:6E BSOG-
201:7E ASOG-
201:7E ASOG+
C2051 10V 470nF(K)
C2048
NOT MOUNT
R2116 330K(J)
R2103 10K(J)
R2114 330K(J)
207:8E DVCD_VD
207:8E BCLAMP
207:8E DVCD_HD
GENESIS_VDD_3.3V
R2113 10K(J)
R2107
D_GND
207:8E DVCD_BCLK
205:2A;207:3A;213:8B Y_SCL33
205:2A;207:3A;213:8B Y_SDA33
207:2A;213:6D Y_RESET
R2117 47(J)
R2111 47(J)
R2102 47(J)
R2115 47K(J)
R2118 NOT MOUNT
601:2C G_IRQ
R2119 1K(J)
CSS_3.3V
C2065 25V 100nF(Z)
CSS_GND
AVDD_3.3
C2055 25V 100nF(Z)
C2081 25V 100nF(Z)
C2071 25V 100nF(Z)
C2063 50V 220pF(J)
C2075 50V 220pF(J)
PLL_GND
156 AVS
155 AODD
154 ACLK
157 AHS_CS
158 ARAWHS_CS
159 ACREF
160 AHREF_DE
204 BSOY_G+
205 BSOY_G-
206 ASOY_G-
207 ASOY_G+
9 BVS
8 BODD
7 BCLK
10 BHS_CS
13 BRAWHS_CS
14 BCREF
15 BHREF_DE
3 /SCS
2 SCLK
4 SDATA
5 /RESET
6 /IRQ
208 AVDD_CSS
203 AVSS_CSS
200 AVDD_RPLL
199 AVSS_RPLL
198 AVDD_MPLL
197 AVSS_MPLL
194 AVDD_DDS
193 AVSS_DDS
196 VDD_PLL
195 VSS_PLL
192 VDD_DDS
191 VSS_DDS
47 GPIO1
48 GPIO2
53 DODD
54 DCLK
49 DHS_CS
50 DVS_SYNCT
52 DDE_BLANK
201 XTAL
202 TCLK
21 70 89 106 124 141 162 VDD
17 71 95 105 127 138 161 VSS
51 VDD
12 27 41 55 86 115 130 147 167 185 CVDD
11 26 40 56 85 114 129 146 166 184 VSS
1 33 117 150 59 82 VSS
R2104 47(J) GPIO1_HVSW 204:2B
R2112 47(J) LVD_CLK 300:1E
R2105 47(J) LVD_HS 300:1E;605:2A
R2106 47(J) LVD_VS 300:1E;605:2A
R2188 LVD_VS_BEPMCU 502:7A
GDM100000192
X2001 14.31818MHz
R2110 3.3K(J)
C2077 50V 22pF(J)
C2067 50V 22pF(J)
R2109 NOT MOUNT
PLL_GND
AVDD_3.3
MEMI/O_3.3
[CP]
C2079 6V 47uF(M)
C2059 50V 220pF(J)
C2053 50V 220pF(J)
C2060 50V 220pF(J)
C2052 50V 220pF(J)
D_GND
GENESIS_VDD_3.3V
C2064 6V 47uF(M)
C2068 25V 100nF(Z)
C2047 25V 100nF(Z)
C2057 25V 100nF(Z)
MEMI/O_CVDD_2.5
C2062 47uF(M) 6V
C2069 50V 220pF(J)
C2078 50V 220pF(J)
C2070 50V 220pF(J)
C2076 50V 220pF(J)
CVDD_2.5
C2083 6V 47uF(M)
C2054 25V 100nF(Z)
C2074 25V 100nF(Z)
C2066 25V 100nF(Z)
C2056 25V 100nF(Z)
C2080 25V 100nF(Z)
C2082 50V 220pF(J)
C2067 25V 100nF(Z)
C2072 50V 220pF(J)
C2061 25 V 100nF(Z)
C2058 50V 220pF(J)
Ch1 1.00 V M4.00ms A Ch1 2.70 V
10.20 %
Ch1 1.00 V M10.0µs A Ch1 2.70 V
10.20 %
Ch1 1.00 V M4.00ms A Ch1 2.70 V
10.20 %
52HM85/62HM85
GENESIS(2/2)
SHEET-2/2
SH.NO.
210


+3.3V_2
FL208
60ohm
FL209
120ohm
D_GND
F_GND
IC204
MT48LC2M32B2TG-6
SDRAM 64Mbit
[MSSD2M32]
MAO_MA0
MAO_MA1
MAO_MA2
MAO_MA3
MAO_MA4
MAO_MA5
MAO_MA6
MAO_MA7
MAO_MA8
MAO_MA9
MAO_MA10
MAO_BS0
MAO_BS1
MAO_MCLK
MAO_CS
MAO_BAS
MAO_CAS
MAO_WE
MAO_DQM
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
BS0
BS1
CLK
CKE
CSZ
RASZ
CASZ
WEZ
DQM0
DQM1
DQM2
DQM3
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
DQ16
DQ17
DQ18
DQ19
DQ20
DQ21
DQ22
DQ23
DQ24
DQ25
DQ26
DQ27
DQ28
DQ29
DQ30
DQ31
[Vcc] [Vss]
VccQ VssQ
N.C
MDO_MD0
MDO_MD1
MDO_MD2
MDO_MD3
MDO_MD4
MDO_MD5
MDO_MD6
MDO_MD7
MDO_MD8
MDO_MD9
MDO_MD10
MDO_MD11
MDO_MD12
MDO_MD13
MDO_MD14
MDO_MD15
MDO_MD16
MDO_MD17
MDO_MD18
MDO_MD19
MDO_MD20
MDO_MD21
MDO_MD22
MDO_MD23
MDO_MD24
MDO_MD25
MDO_MD26
MDO_MD27
MDO_MD28
MDO_MD29
MDO_MD30
MDO_MD31
[RMX4A]
47(J)
RM220
RM214
RM218
RM219
RM215
RM221
RM216
RM217
R2120
75(J)
C2084
50V
47pF(J)
MEMVCC_3.3
[CP]
C2091
6V
47uF(M)
C2093
50V
220pF(J)
C2092
25V
100nF(Z)
C2089
50V
220pF(J)
C2085
50V
220pF(J)
C2095
50V
220pF(J)
C2086
50V
220pF(J)
C2090
50V
220pF(J)
C2097
25V
100nF(Z)
C2094
25V
100nF(Z)
C2096
25V
100nF(Z)
C2088
25V
100nF(Z)
C2087
25V
100nF(Z)
52HM85/62HM85
SDRAM
SH.NO.
211

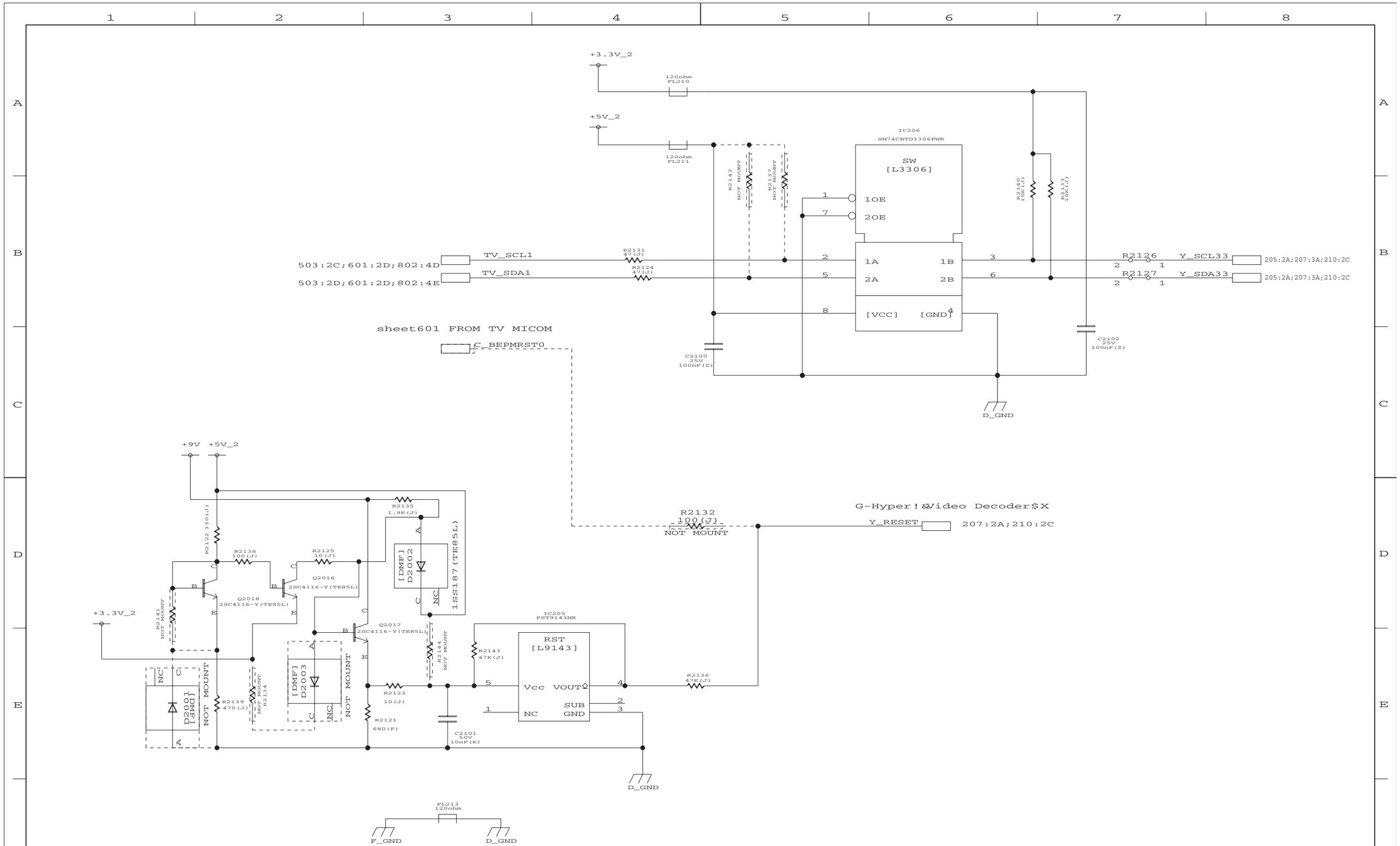






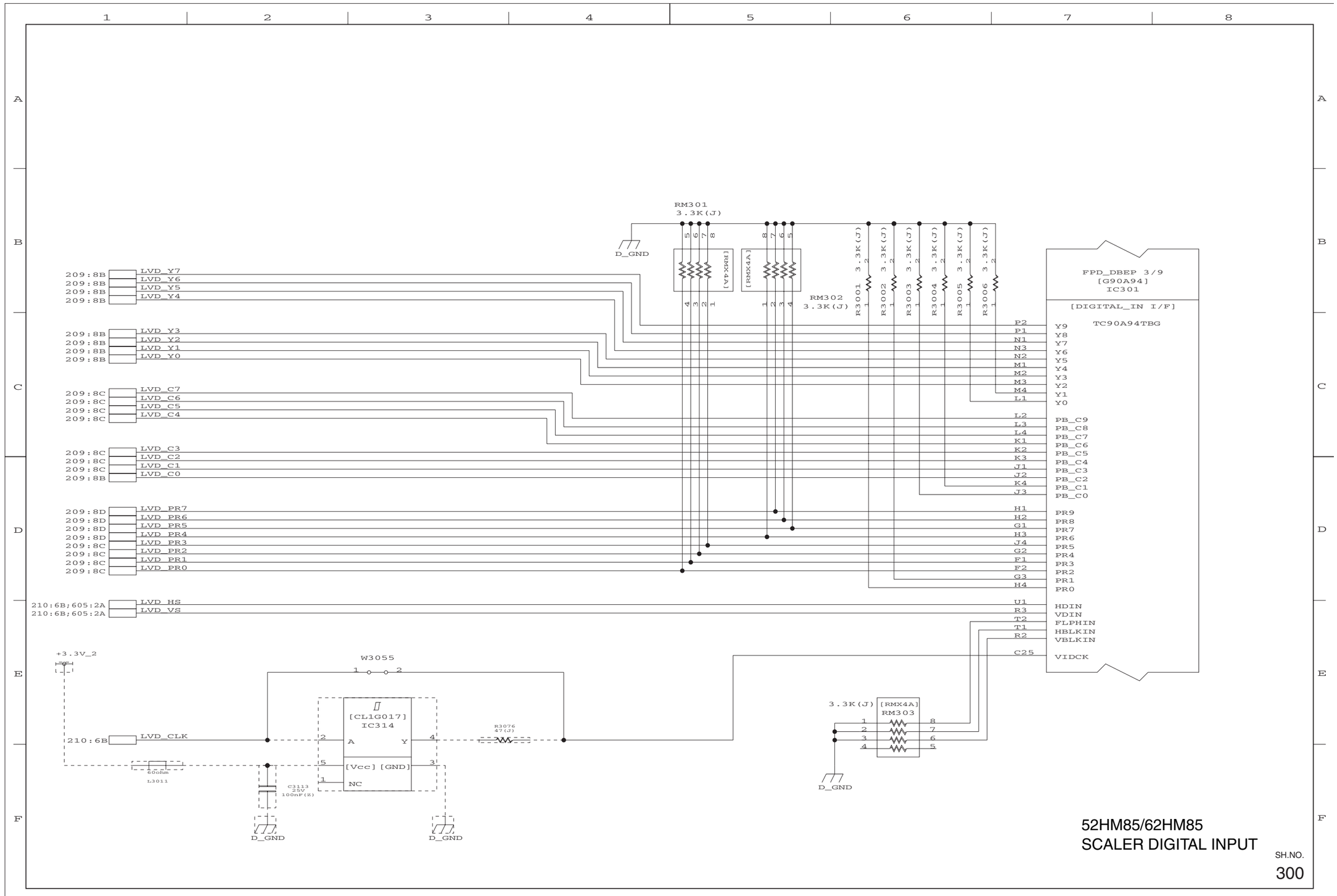
52HM85/62HM85
GENESIS_POWER

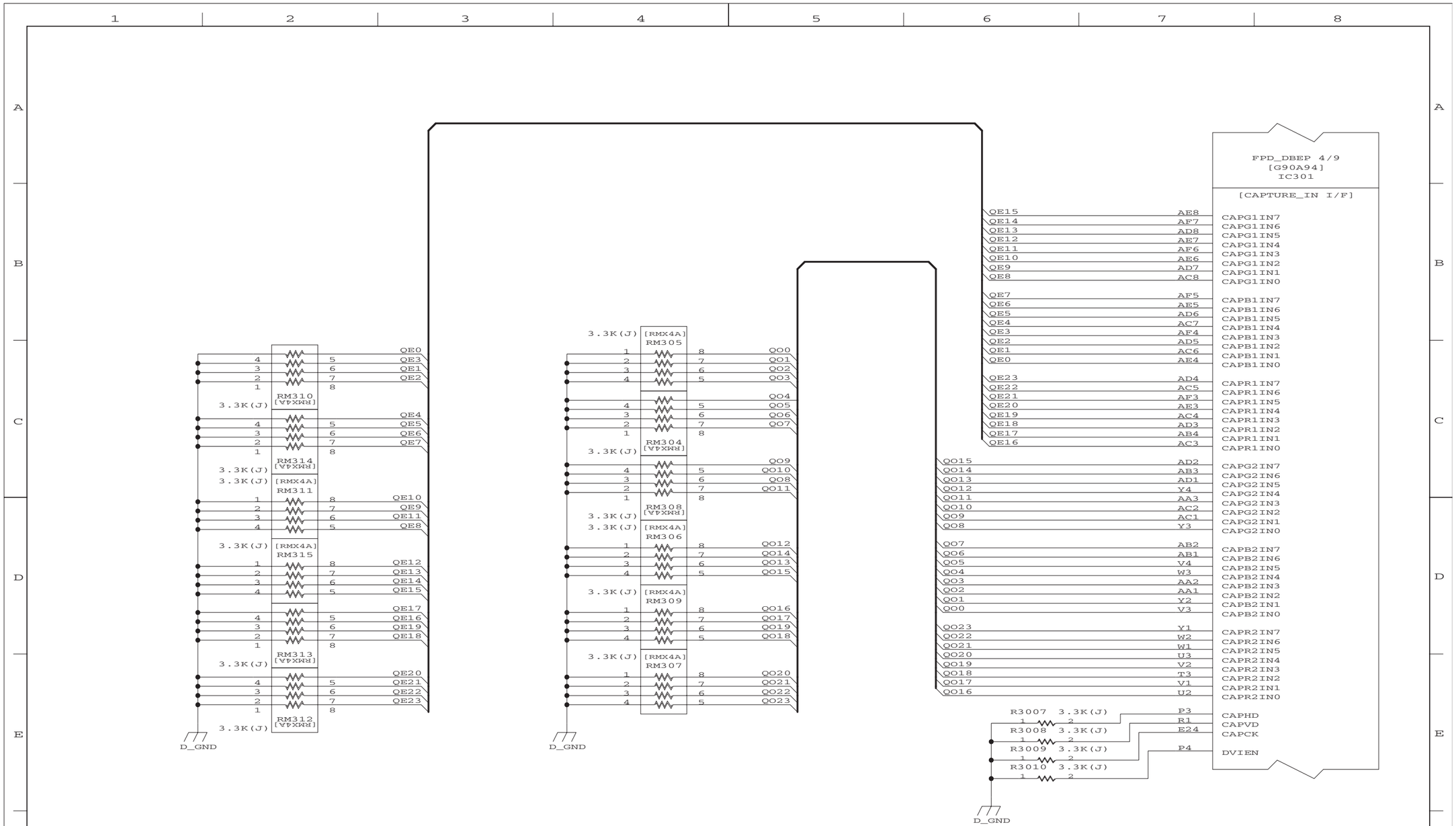
SH.NO.
212



52HM85/62HM85
GENESIS_IIC

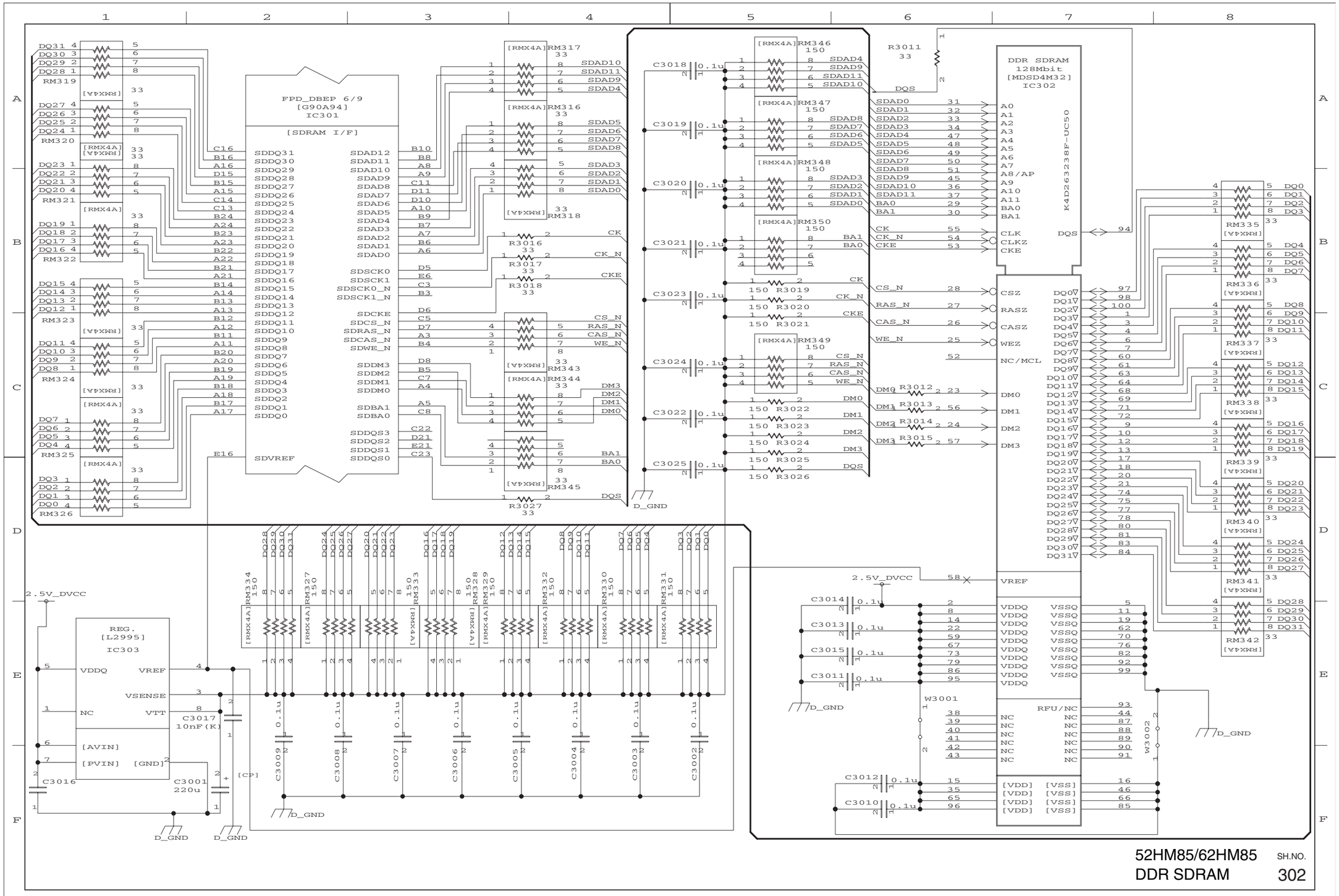
SH.NO.
213

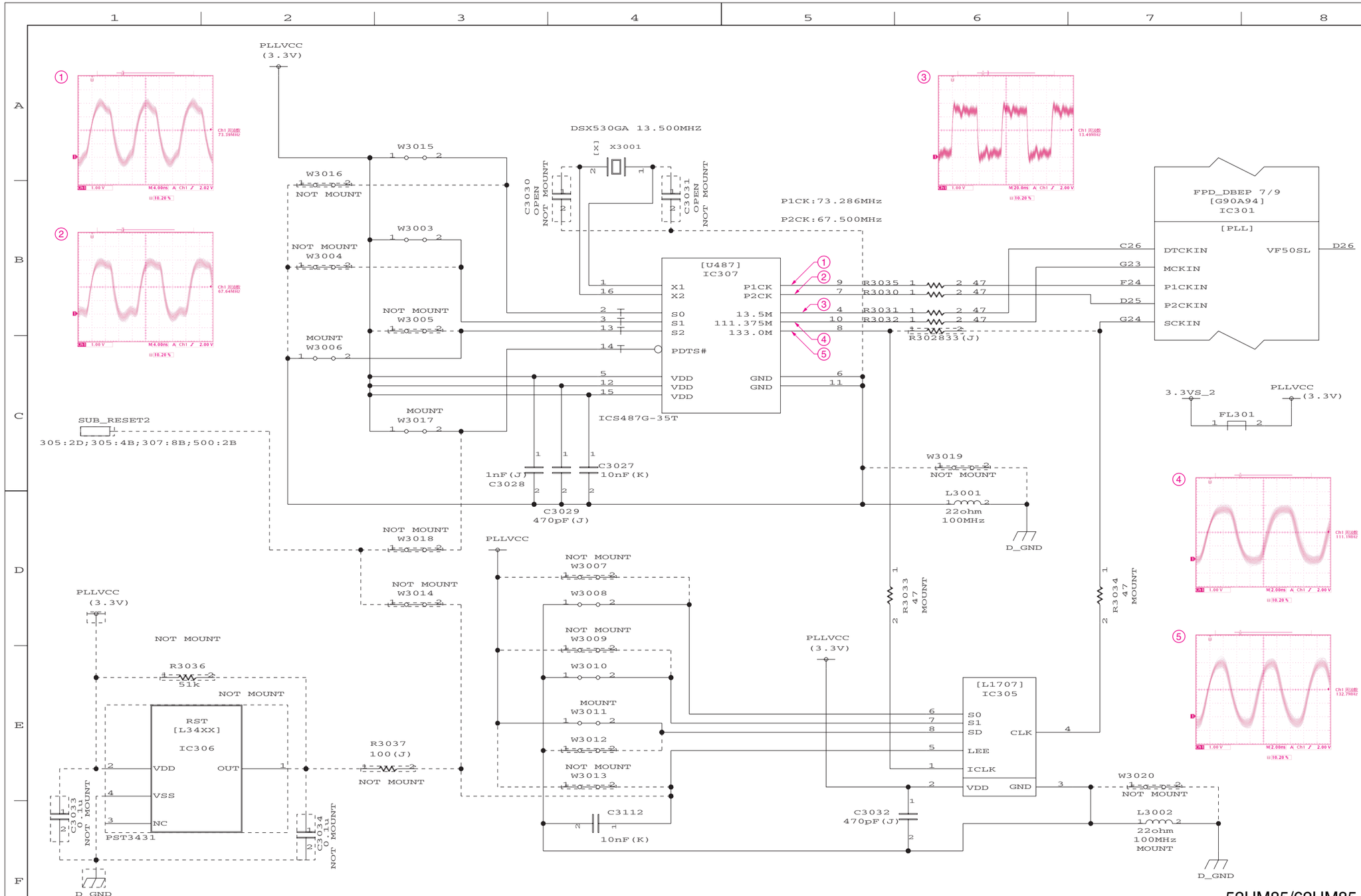

RM301
3.3K(J)
D_GND
[RMX4A]
RM302
3.3K(J)
R3001
R3002
R3003
R3004
R3005
R3006
FPD_DBEP 3/9
[G90A94]
IC301
[DIGITAL_IN I/F]
TC90A94TBG
LVD_Y7
LVD_Y6
LVD_Y5
LVD_Y4
LVD_Y3
LVD_Y2
LVD_Y1
LVD_Y0
LVD_C7
LVD_C6
LVD_C5
LVD_C4
LVD_C3
LVD_C2
LVD_C1
LVD_C0
LVD_PR7
LVD_PR6
LVD_PR5
LVD_PR4
LVD_PR3
LVD_PR2
LVD_PR1
LVD_PR0
LVD_HS
LVD_VS
LVD_CLK
+3.3V_2
W3055
[CL1G017]
IC314
[Vcc] [GND]
NC
R3076
47(J)
60ohm
L3011
C3113
25V
100nP(Z)
RM303
HDIN
VDIN
FLPHIN
HBLKIN
VBLKIN
VIDCK
52HM85/62HM85
SCALER DIGITAL INPUT
SH.NO.
300

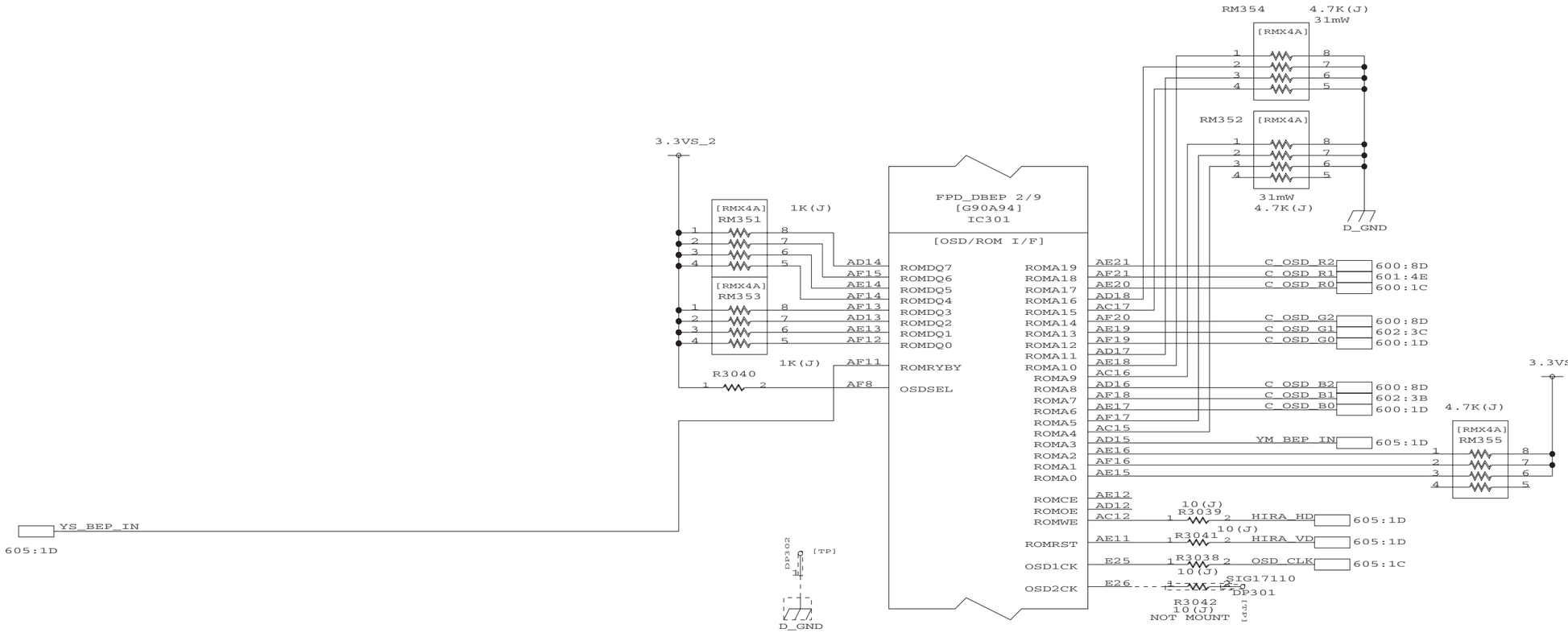


52HM85/62HM85
SCALER CAPTURE INPUT

SH.NO.
301

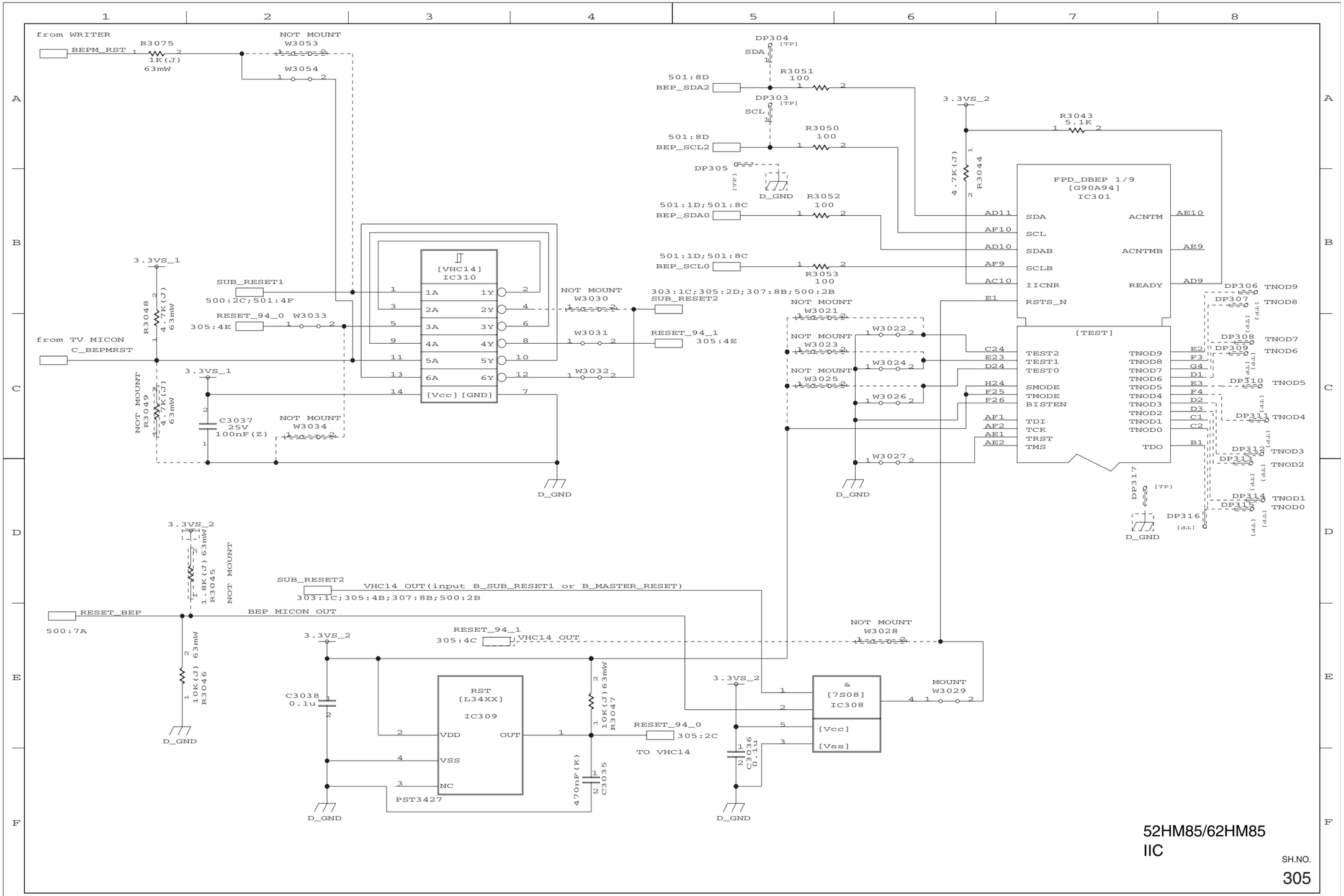

FPD_DBEP 6/9
[G90A94]
IC301
[SDRAM I/F]
DDR SDRAM
128Mbit
[MDSD4M32]
IC302
K4D263238F-UC50
REG.
[L2995]
IC303
2.5V_DVCC
D_GND
52HM85/62HM85
DDR SDRAM
SH.NO.
302

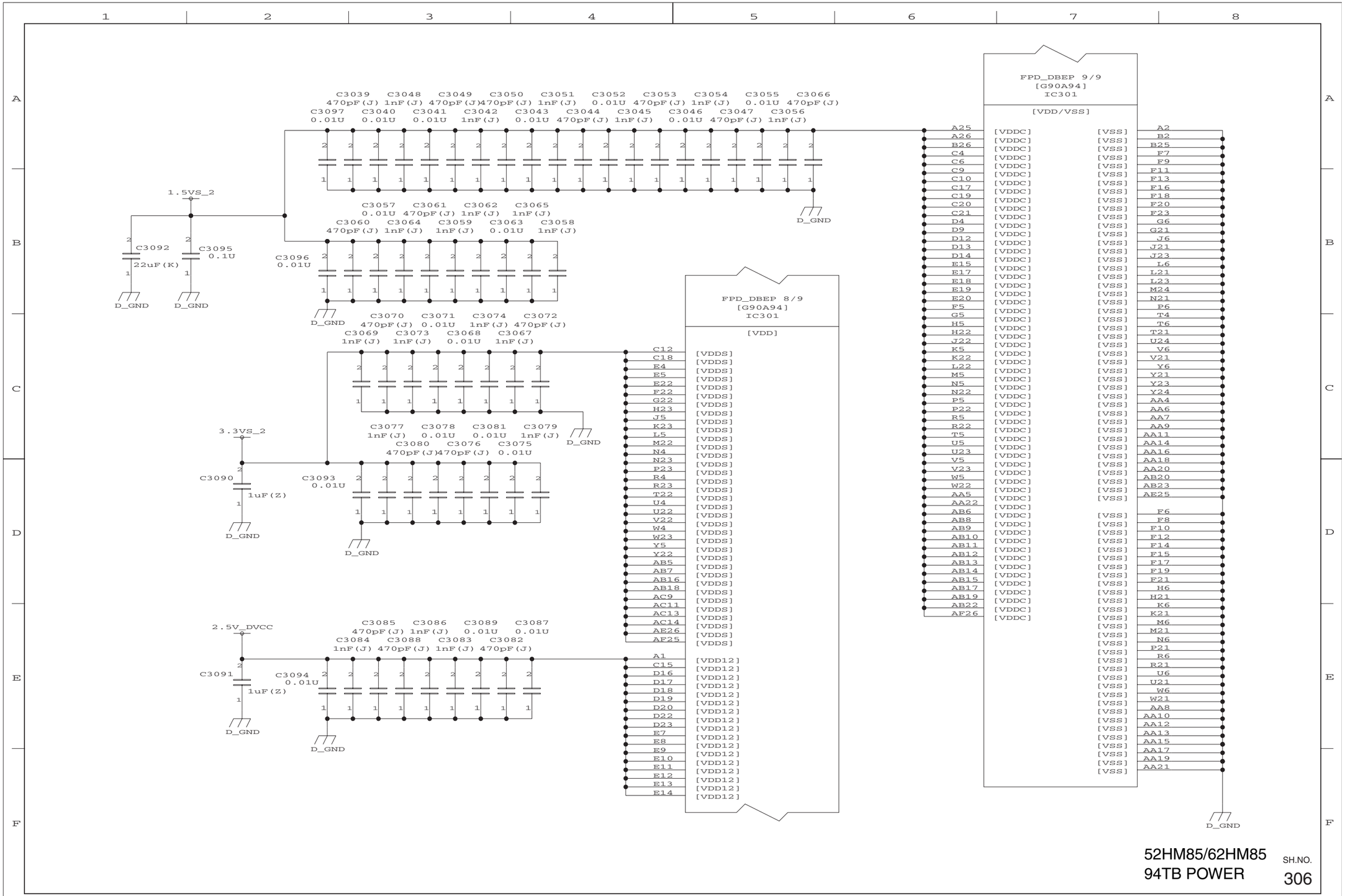

PLLVCC
(3.3V)
DSX530GA 13.500MHZ
X3001
C3030
OPEN
NOT MOUNT
C3031
OPEN
NOT MOUNT
P1CK:73.286MHz
P2CK:67.500MHz
W3015
W3016
NOT MOUNT
W3003
NOT MOUNT
W3004
NOT MOUNT
W3005
MOUNT
W3006
MOUNT
W3017
[U487]
IC307
X1
X2
S0
S1
S2
PDTS#
VDD
VDD
VDD
P1CK
P2CK
13.5M
111.375M
133.0M
GND
GND
ICS487G-35T
R3035 47
R3030 47
R3031 47
R3032 47
R302833(J)
FPD_DBEP 7/9
[G90A94]
IC301
[PLL]
DTCKIN
MCKIN
P1CKIN
P2CKIN
SCKIN
VF50SL
C26
G23
F24
D25
G24
D26
3.3VS_2
PLLVCC
(3.3V)
FL301
SUB_RESET2
305:2D;305:4B;307:8B;500:2B
C3027
10nF(K)
1nF(J)
C3028
C3029
470pF(J)
W3019
NOT MOUNT
L3001
220hm
100MHz
D_GND
NOT MOUNT
W3018
NOT MOUNT
W3014
PLLVCC
NOT MOUNT
W3007
W3008
NOT MOUNT
W3009
W3010
MOUNT
W3011
W3012
NOT MOUNT
W3013
C3112
10nF(K)
R3033
47
MOUNT
R3034
47
MOUNT
PLLVCC
(3.3V)
C3032
470pF(J)
[L1707]
IC305
S0
S1
SD
LEE
ICLK
VDD
GND
CLK
W3020
NOT MOUNT
L3002
220hm
100MHz
MOUNT
D_GND
PLLVCC
(3.3V)
NOT MOUNT
R3036
51k
NOT MOUNT
RST
[L34XX]
IC306
VDD
VSS
NC
OUT
PST3431
C3033
0.1u
NOT MOUNT
C3034
0.1u
NOT MOUNT
R3037
100(J)
NOT MOUNT
D_GND
52HM85/62HM85
SCALER PLL
SH.NO.
303

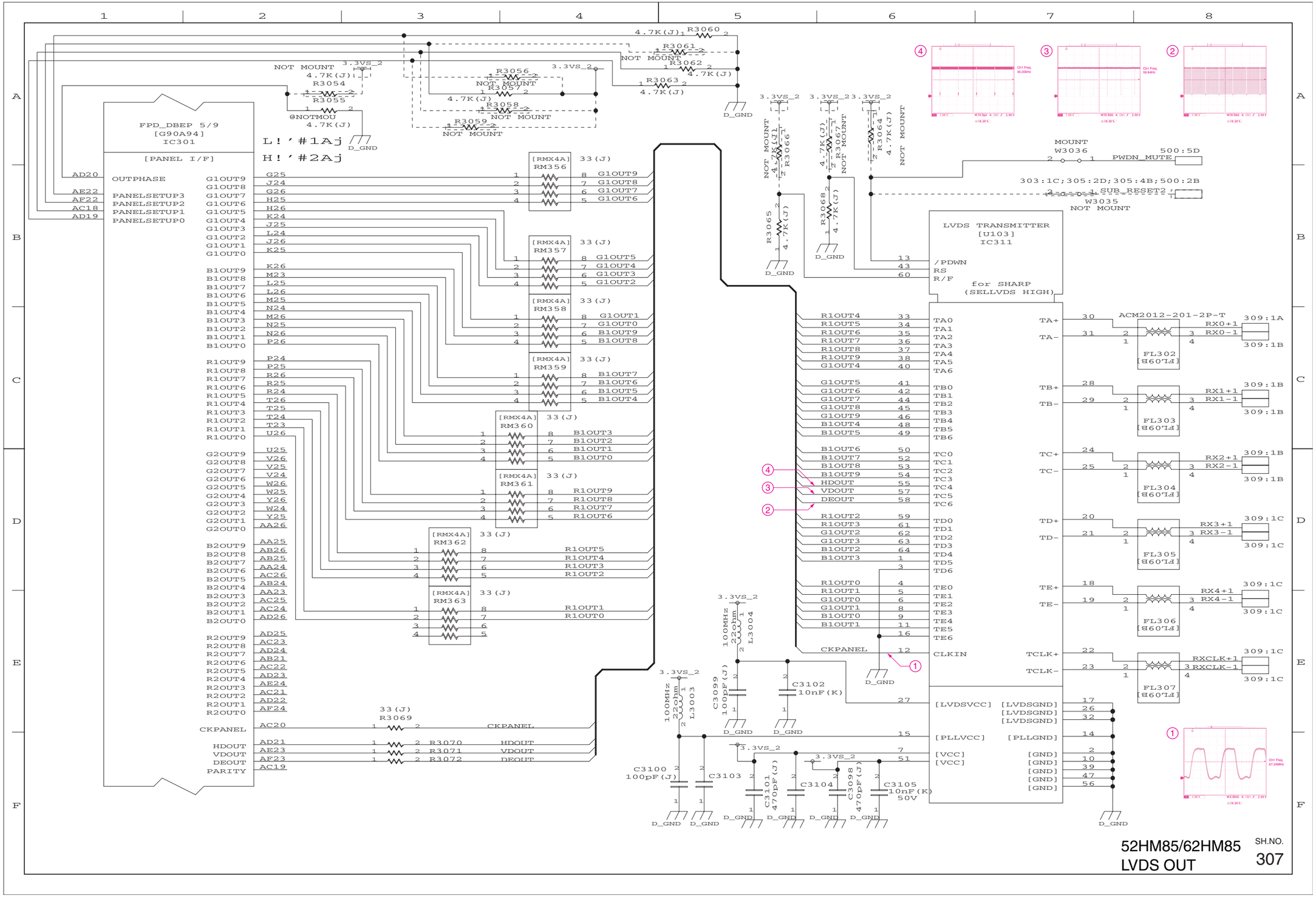


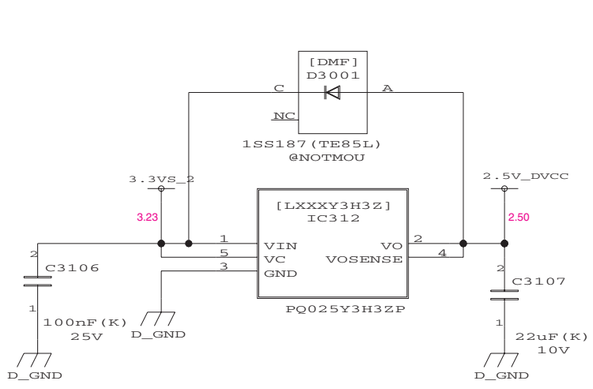
52HM85/62HM85
OSD for North America

SH.NO.
304


from WRITER
BEPM_RST
R3075
1K(J)
63mW
NOT MOUNT
W3053
W3054
3.3VS_1
R3048
4.7K(J)
63mW
SUB_RESET1
500:2C;501:4F
RESET_94_0
305:4E
W3033
from TV MICON
C_BEPMRST
NOT MOUNT
R3049
4.7K(J)
63mW
C3037
25V
100nF(Z)
NOT MOUNT
W3034
[VHC14]
IC310
1A
2A
3A
4A
5A
6A
1Y
2Y
3Y
4Y
5Y
6Y
[Vcc]
[GND]
NOT MOUNT
W3030
W3031
W3032
303:1C;305:2D;307:8B;500:2B
SUB_RESET2
RESET_94_1
305:4E
D_GND
DP304
[TP]
SDA
501:8D
BEP_SDA2
R3051
100
DP303
[TP]
SCL
501:8D
BEP_SCL2
R3050
100
DP305
[TP]
D_GND
501:1D;501:8C
BEP_SDA0
R3052
100
501:1D;501:8C
BEP_SCL0
R3053
100
3.3VS_2
R3043
5.1K
4.7K(J)
R3044
FPD_DBEP 1/9
[G90A94]
IC301
AD11
SDA
AF10
SCL
AD10
SDAB
AF9
SCLB
AC10
IICNR
E1
RSTS_N
ACNTM
AE10
ACNTMB
AE9
READY
AD9
NOT MOUNT
W3021
W3022
NOT MOUNT
W3023
W3024
NOT MOUNT
W3025
W3026
W3027
D_GND
[TEST]
C24
TEST2
E23
TEST1
D24
TEST0
H24
SMODE
F25
TMODE
F26
BISTEN
AF1
TDI
AF2
TCK
AE1
TRST
AE2
TMS
TNOD9
TNOD8
TNOD7
TNOD6
TNOD5
TNOD4
TNOD3
TNOD2
TNOD1
TNOD0
TDO
E2
F3
G4
D1
E3
F4
D2
D3
C1
C2
B1
DP306
DP307
DP308
DP309
DP310
DP311
DP312
DP313
DP314
DP315
DP316
DP317
[TP]
[dz]
D_GND
3.3VS_2
1.8K(J) 63mW
R3045
NOT MOUNT
SUB_RESET2
303:1C;305:4B;307:8B;500:2B
VHC14 OUT(input B_SUB_RESET1 or B_MASTER_RESET)
RESET_BEP
500:7A
BEP MICON OUT
10K(J) 63mW
R3046
D_GND
RESET_94_1
305:4C
VHC14 OUT
NOT MOUNT
W3028
3.3VS_2
C3038
0.1u
RST
[L34XX]
IC309
VDD
OUT
VSS
NC
PST3427
10K(J) 63mW
R3047
470nF(K)
C3035
RESET_94_0
305:2C
TO VHC14
D_GND
3.3VS_2
&
[7S08]
IC308
[Vcc]
[Vss]
C3036
0.1u
D_GND
MOUNT
W3029
52HM85/62HM85
IIC
SH.NO.
305

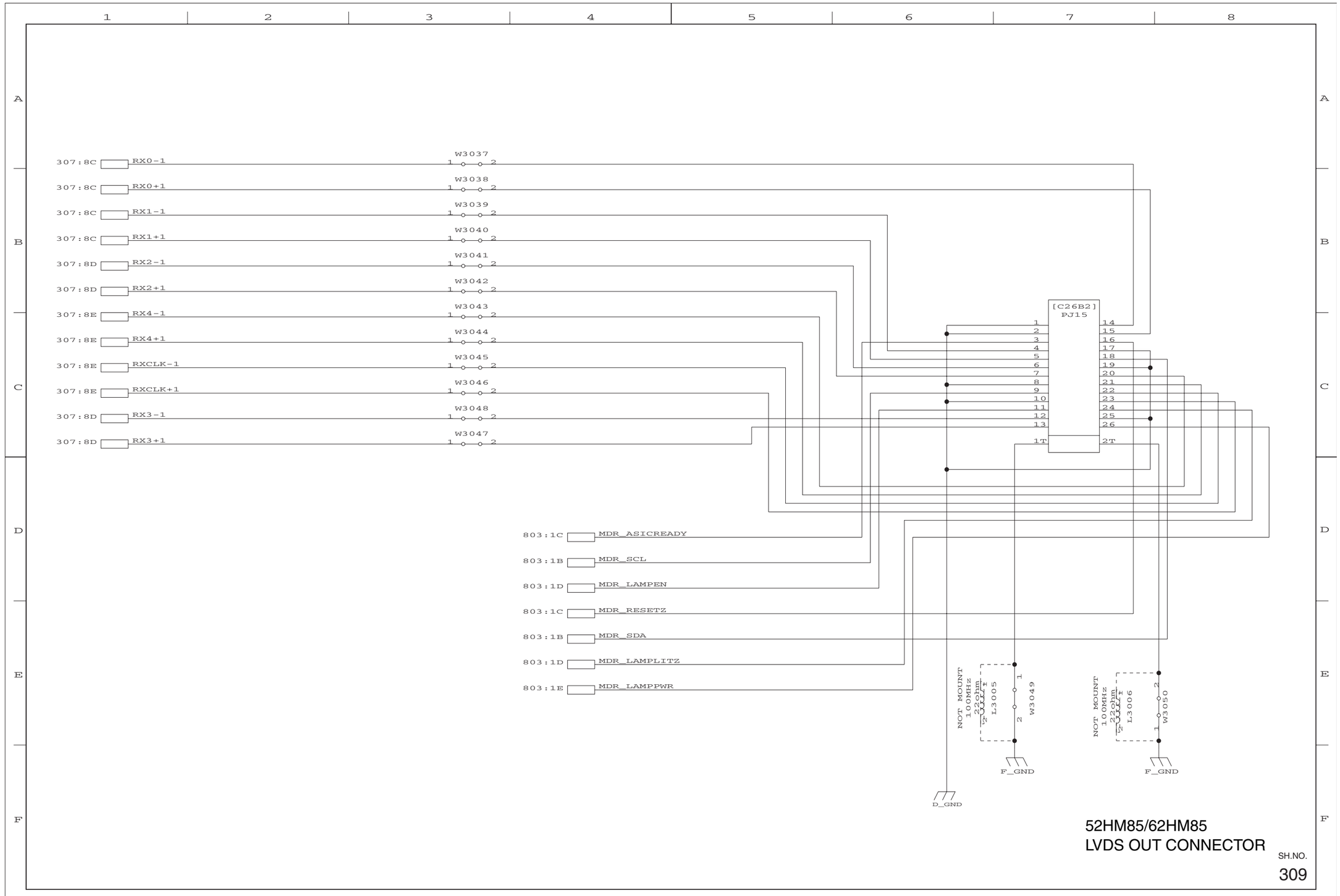

C3039 C3048 C3049 C3050 C3051 C3052 C3053 C3054 C3055 C3066
470pF(J) 1nF(J) 470pF(J)470pF(J) 1nF(J) 0.01U 470pF(J) 1nF(J) 0.01U 470pF(J)
C3097 C3040 C3041 C3042 C3043 C3044 C3045 C3046 C3047 C3056
0.01U 0.01U 0.01U 1nF(J) 0.01U 470pF(J) 1nF(J) 0.01U 470pF(J) 1nF(J)
D_GND
1.5VS_2
C3057 C3061 C3062 C3065
0.01U 470pF(J) 1nF(J) 1nF(J)
C3060 C3064 C3059 C3063 C3058
470pF(J) 1nF(J) 1nF(J) 0.01U 1nF(J)
C3092
22uF(K)
C3095
0.1U
C3096
0.01U
D_GND
D_GND
D_GND
C3070 C3071 C3074 C3072
470pF(J) 0.01U 1nF(J) 470pF(J)
C3069 C3073 C3068 C3067
1nF(J) 1nF(J) 0.01U 1nF(J)
C3077 C3078 C3081 C3079
1nF(J) 0.01U 0.01U 1nF(J)
D_GND
C3080 C3076 C3075
470pF(J)470pF(J) 0.01U
3.3VS_2
C3090
1uF(Z)
C3093
0.01U
D_GND
D_GND
C3085 C3086 C3089 C3087
470pF(J) 1nF(J) 0.01U 0.01U
C3084 C3088 C3083 C3082
1nF(J) 470pF(J) 1nF(J) 470pF(J)
2.5V_DVCC
C3091
1uF(Z)
C3094
0.01U
D_GND
D_GND
FPD_DBEP 8/9
[G90A94]
IC301
[VDD]
C12 [VDDS]
C18 [VDDS]
E4 [VDDS]
E5 [VDDS]
E22 [VDDS]
F22 [VDDS]
G22 [VDDS]
H23 [VDDS]
J5 [VDDS]
K23 [VDDS]
L5 [VDDS]
M22 [VDDS]
N4 [VDDS]
N23 [VDDS]
P23 [VDDS]
R4 [VDDS]
R23 [VDDS]
T22 [VDDS]
U4 [VDDS]
U22 [VDDS]
V22 [VDDS]
W4 [VDDS]
W23 [VDDS]
Y5 [VDDS]
Y22 [VDDS]
AB5 [VDDS]
AB7 [VDDS]
AB16 [VDDS]
AB18 [VDDS]
AC9 [VDDS]
AC11 [VDDS]
AC13 [VDDS]
AC14 [VDDS]
AE26 [VDDS]
AF25 [VDDS]
A1 [VDD12]
C15 [VDD12]
D16 [VDD12]
D17 [VDD12]
D18 [VDD12]
D19 [VDD12]
D20 [VDD12]
D22 [VDD12]
D23 [VDD12]
E7 [VDD12]
E8 [VDD12]
E9 [VDD12]
E10 [VDD12]
E11 [VDD12]
E12 [VDD12]
E13 [VDD12]
E14 [VDD12]
FPD_DBEP 9/9
[G90A94]
IC301
[VDD/VSS]
A25 [VDDC]
A26 [VDDC]
B26 [VDDC]
C4 [VDDC]
C6 [VDDC]
C9 [VDDC]
C10 [VDDC]
C17 [VDDC]
C19 [VDDC]
C20 [VDDC]
C21 [VDDC]
D4 [VDDC]
D9 [VDDC]
D12 [VDDC]
D13 [VDDC]
D14 [VDDC]
E15 [VDDC]
E17 [VDDC]
E18 [VDDC]
E19 [VDDC]
E20 [VDDC]
F5 [VDDC]
G5 [VDDC]
H5 [VDDC]
H22 [VDDC]
J22 [VDDC]
K5 [VDDC]
K22 [VDDC]
L22 [VDDC]
M5 [VDDC]
N5 [VDDC]
N22 [VDDC]
P5 [VDDC]
P22 [VDDC]
R5 [VDDC]
R22 [VDDC]
T5 [VDDC]
U5 [VDDC]
U23 [VDDC]
V5 [VDDC]
V23 [VDDC]
W5 [VDDC]
W22 [VDDC]
AA5 [VDDC]
AA22 [VDDC]
AB6 [VDDC]
AB8 [VDDC]
AB9 [VDDC]
AB10 [VDDC]
AB11 [VDDC]
AB12 [VDDC]
AB13 [VDDC]
AB14 [VDDC]
AB15 [VDDC]
AB17 [VDDC]
AB19 [VDDC]
AB22 [VDDC]
AF26 [VDDC]
[VSS] A2
[VSS] B2
[VSS] B25
[VSS] F7
[VSS] F9
[VSS] F11
[VSS] F13
[VSS] F16
[VSS] F18
[VSS] F20
[VSS] F23
[VSS] G6
[VSS] G21
[VSS] J6
[VSS] J21
[VSS] J23
[VSS] L6
[VSS] L21
[VSS] L23
[VSS] M24
[VSS] N21
[VSS] P6
[VSS] T4
[VSS] T6
[VSS] T21
[VSS] U24
[VSS] V6
[VSS] V21
[VSS] Y6
[VSS] Y21
[VSS] Y23
[VSS] Y24
[VSS] AA4
[VSS] AA6
[VSS] AA7
[VSS] AA9
[VSS] AA11
[VSS] AA14
[VSS] AA16
[VSS] AA18
[VSS] AA20
[VSS] AB20
[VSS] AB23
[VSS] AE25
[VSS] F6
[VSS] F8
[VSS] F10
[VSS] F12
[VSS] F14
[VSS] F15
[VSS] F17
[VSS] F19
[VSS] F21
[VSS] H6
[VSS] H21
[VSS] K6
[VSS] K21
[VSS] M6
[VSS] M21
[VSS] N6
[VSS] P21
[VSS] R6
[VSS] R21
[VSS] U6
[VSS] U21
[VSS] W6
[VSS] W21
[VSS] AA8
[VSS] AA10
[VSS] AA12
[VSS] AA13
[VSS] AA15
[VSS] AA17
[VSS] AA19
[VSS] AA21
D_GND
52HM85/62HM85
94TB POWER
SH.NO.
306

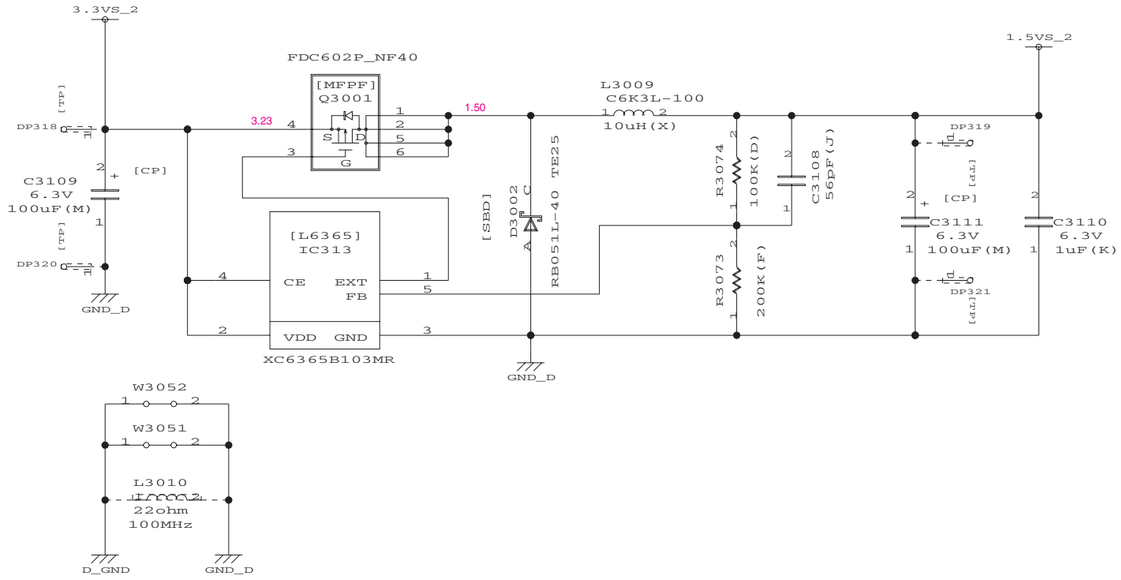

FPD_DBEP 5/9
[G90A94]
IC301
[PANEL I/F]
L!'#1Aj
H!'#2Aj
AD20 OUTPHASE
AE22 PANELSETUP3
AF22 PANELSETUP2
AC18 PANELSETUP1
AD19 PANELSETUP0
G1OUT9 G25
G1OUT8 J24
G1OUT7 G26
G1OUT6 H25
G1OUT5 H26
G1OUT4 K24
G1OUT3 J25
G1OUT2 L24
G1OUT1 J26
G1OUT0 K25
B1OUT9 K26
B1OUT8 M23
B1OUT7 L25
B1OUT6 L26
B1OUT5 M25
B1OUT4 N24
B1OUT3 M26
B1OUT2 N25
B1OUT1 N26
B1OUT0 P26
R1OUT9 P24
R1OUT8 P25
R1OUT7 R26
R1OUT6 R24
R1OUT5 T26
R1OUT4 T25
R1OUT3 T24
R1OUT2 T23
R1OUT1 U26
R1OUT0
G2OUT9 U25
G2OUT8 V26
G2OUT7 V25
G2OUT6 V24
G2OUT5 W26
G2OUT4 W25
G2OUT3 Y26
G2OUT2 W24
G2OUT1 Y25
G2OUT0 AA26
B2OUT9 AA25
B2OUT8 AB26
B2OUT7 AB25
B2OUT6 AA24
B2OUT5 AC26
B2OUT4 AB24
B2OUT3 AA23
B2OUT2 AC25
B2OUT1 AC24
B2OUT0 AD26
R2OUT9 AD25
R2OUT8 AC23
R2OUT7 AD24
R2OUT6 AB21
R2OUT5 AC22
R2OUT4 AD23
R2OUT3 AE24
R2OUT2 AC21
R2OUT1 AD22
R2OUT0 AF24
CKPANEL AC20
HDOUT AD21
VDOUT AE23
DEOUT AF23
PARITY AC19
NOT MOUNT
4.7K(J) R3054
R3055
@NOTMOU
4.7K(J)
D_GND
3.3VS_2
4.7K(J) R3060
NOT MOUNT R3061
R3062 4.7K(J)
R3063 4.7K(J)
R3056
NOT MOUNT R3057
4.7K(J)
R3058
R3059 NOT MOUNT
[RMX4A] RM356 33(J)
[RMX4A] RM357 33(J)
[RMX4A] RM358 33(J)
[RMX4A] RM359 33(J)
[RMX4A] RM360 33(J)
[RMX4A] RM361 33(J)
[RMX4A] RM362 33(J)
[RMX4A] RM363 33(J)
G1OUT9 G1OUT8 G1OUT7 G1OUT6
G1OUT5 G1OUT4 G1OUT3 G1OUT2
G1OUT1 G1OUT0 B1OUT9 B1OUT8
B1OUT7 B1OUT6 B1OUT5 B1OUT4
B1OUT3 B1OUT2 B1OUT1 B1OUT0
R1OUT9 R1OUT8 R1OUT7 R1OUT6
R1OUT5 R1OUT4 R1OUT3 R1OUT2
R1OUT1 R1OUT0
R3069 33(J)
R3070 R3071 R3072
CKPANEL HDOUT VDOUT DEOUT
NOT MOUNT R3066 4.7K(J)
R3067 4.7K(J) NOT MOUNT
R3064 4.7K(J) NOT MOUNT
R3065 4.7K(J)
R3068 4.7K(J)
MOUNT W3036
PWDN_MUTE 500:5D
303:1C;305:2D;305:4B;500:2B
SUB_RESET2
W3035 NOT MOUNT
LVDS TRANSMITTER
[U103]
IC311
/PDWN
RS
R/F
for SHARP
(SELLVDS HIGH)
R1OUT4 R1OUT5 R1OUT6 R1OUT7
R1OUT8 R1OUT9 G1OUT4
G1OUT5 G1OUT6 G1OUT7 G1OUT8
G1OUT9 B1OUT4 B1OUT5
B1OUT6 B1OUT7 B1OUT8 B1OUT9
HDOUT VDOUT DEOUT
R1OUT2 R1OUT3 G1OUT2 G1OUT3
B1OUT2 B1OUT3
R1OUT0 R1OUT1 G1OUT0 G1OUT1
B1OUT0 B1OUT1
CKPANEL
TA0 TA1 TA2 TA3 TA4 TA5 TA6
TB0 TB1 TB2 TB3 TB4 TB5 TB6
TC0 TC1 TC2 TC3 TC4 TC5 TC6
TD0 TD1 TD2 TD3 TD4 TD5 TD6
TE0 TE1 TE2 TE3 TE4 TE5 TE6
CLKIN
[LVDSVCC] [LVDSGND] [LVDSGND] [LVDSGND]
[PLLVCC] [PLLGND]
[VCC] [VCC] [GND] [GND] [GND] [GND] [GND]
TA+ TA- TB+ TB- TC+ TC- TD+ TD- TE+ TE- TCLK+ TCLK-
ACM2012-201-2P-T
FL302 FL303 FL304 FL305 FL306 FL307
309:1A 309:1B 309:1B 309:1B 309:1C 309:1C 309:1C 309:1C
RX0+1 RX0-1 RX1+1 RX1-1 RX2+1 RX2-1 RX3+1 RX3-1 RX4+1 RX4-1 RXCLK+1 RXCLK-1
100MHz 220ohm L3003 L3004
C3099 100pF(J)
C3102 10nF(K)
C3100 100pF(J)
C3103
C3101 470pF(J)
C3104
C3098 470pF(J)
C3105 10nF(K) 50V
52HM85/62HM85
LVDS OUT
SH.NO.
307



52HM85/62HM85
Power (3.3V_2 to 2.5V_DVCC)

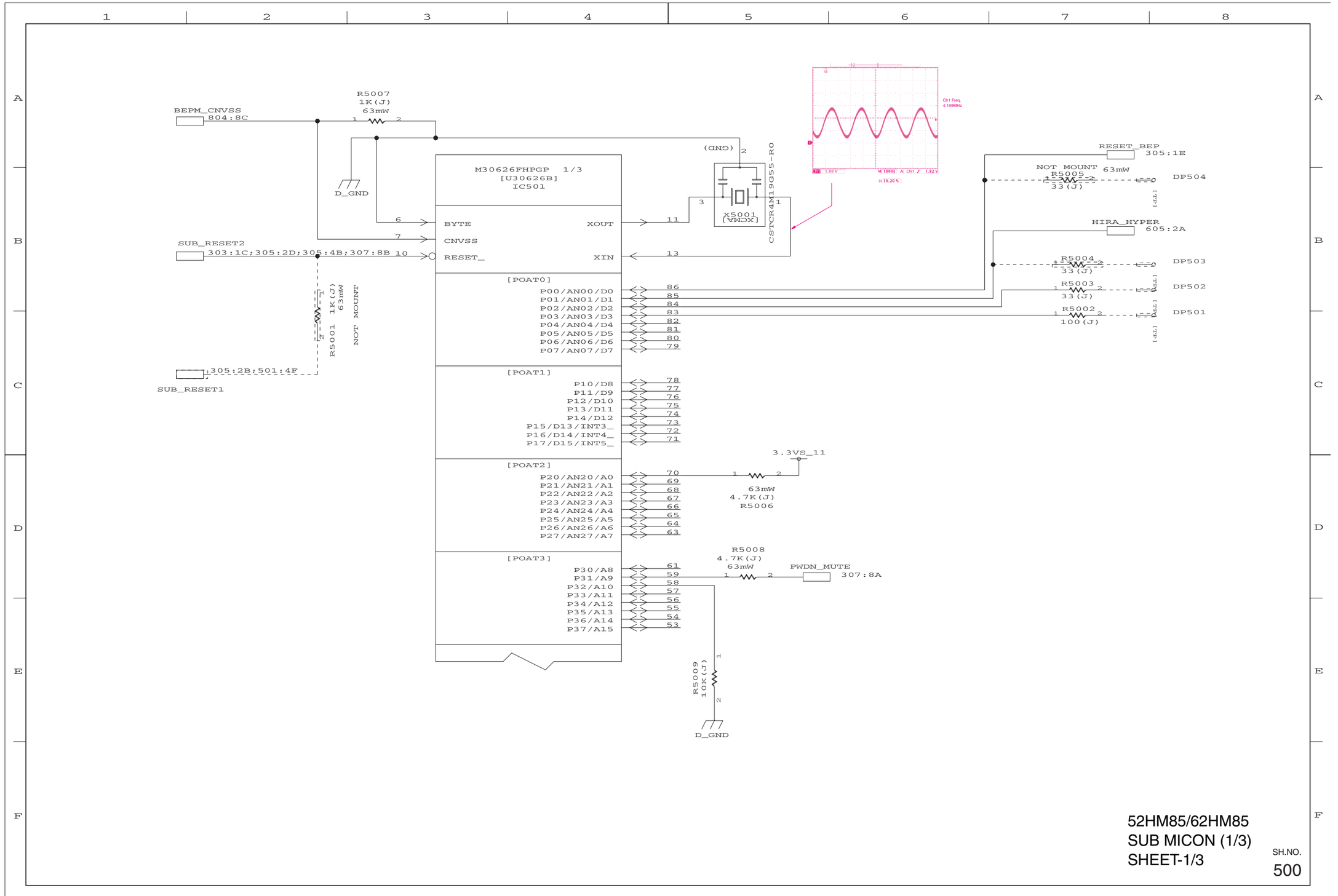
SH.NO.
308


1
2
3
4
5
6
7
8
A
B
C
D
E
F
307:8C RX0-1
307:8C RX0+1
307:8C RX1-1
307:8C RX1+1
307:8D RX2-1
307:8D RX2+1
307:8E RX4-1
307:8E RX4+1
307:8E RXCLK-1
307:8E RXCLK+1
307:8D RX3-1
307:8D RX3+1
W3037
W3038
W3039
W3040
W3041
W3042
W3043
W3044
W3045
W3046
W3048
W3047
[C26B2]
PJ15
803:1C MDR_ASICREADY
803:1B MDR_SCL
803:1D MDR_LAMPEN
803:1C MDR_RESETZ
803:1B MDR_SDA
803:1D MDR_LAMPLITZ
803:1E MDR_LAMPPWR
NOT MOUNT
100MHz
220ohm
2012T
L3005
W3049
NOT MOUNT
100MHz
220ohm
2012T
L3006
W3050
F_GND
F_GND
D_GND
52HM85/62HM85
LVDS OUT CONNECTOR
SH.NO.
309



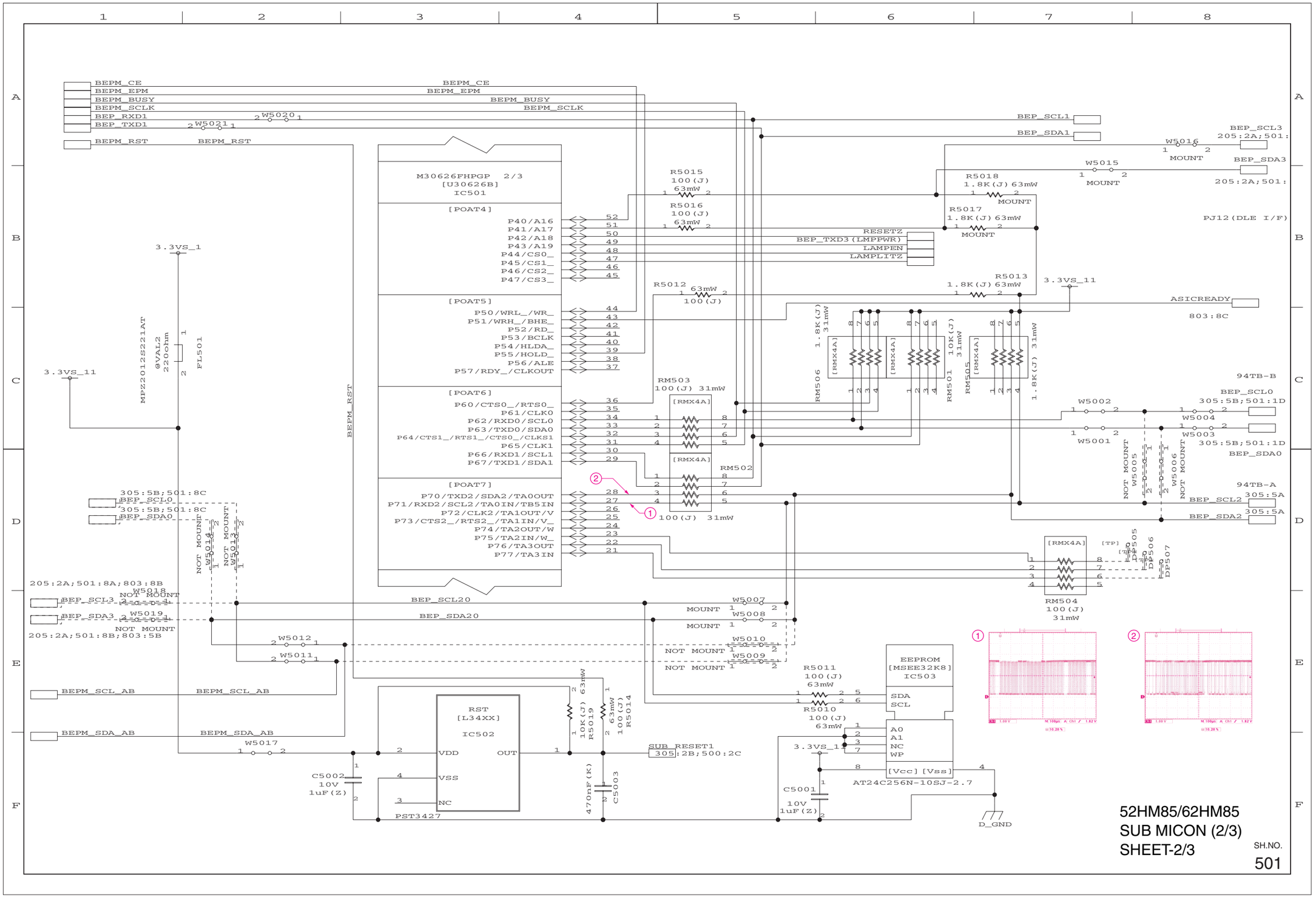
52HM85/62HM85
DC/DC CONVERTER

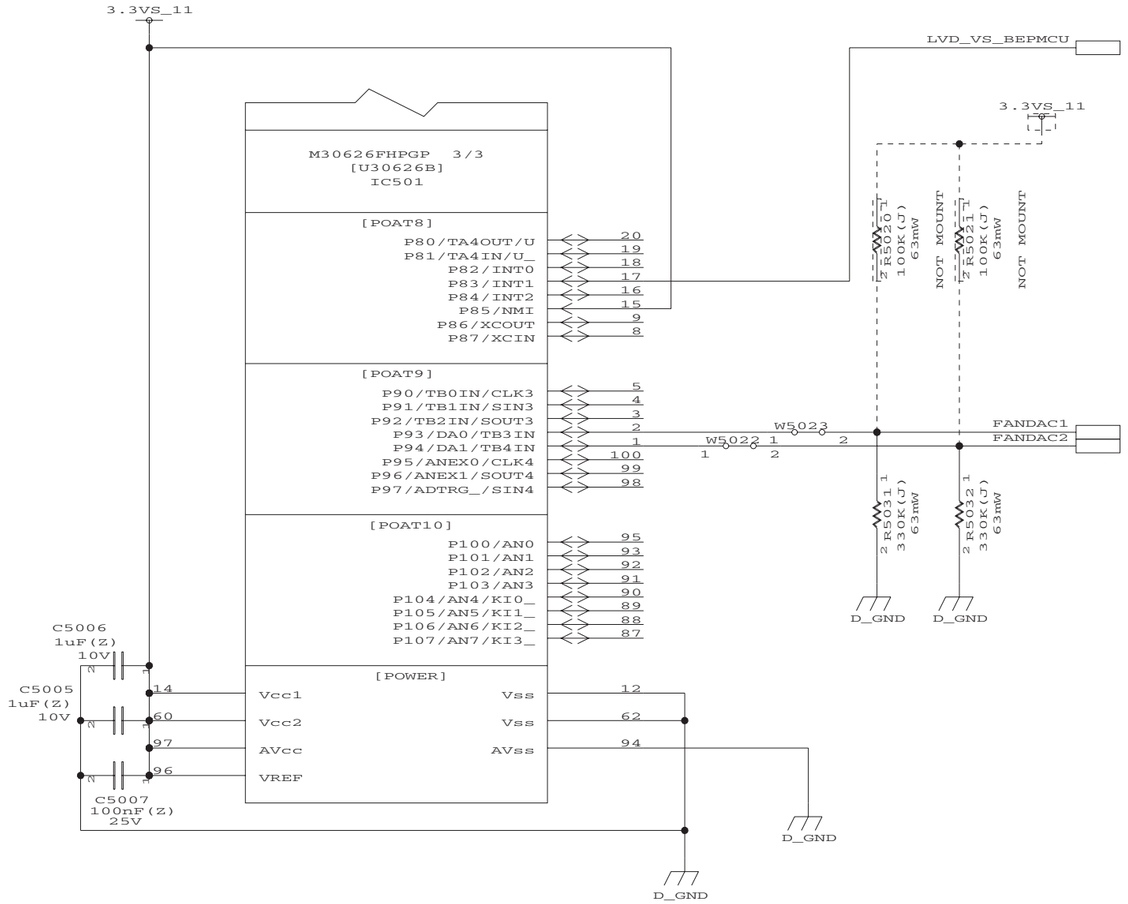
SH.NO.
310



52HM85/62HM85
SUB MICON (1/3)
SHEET-1/3

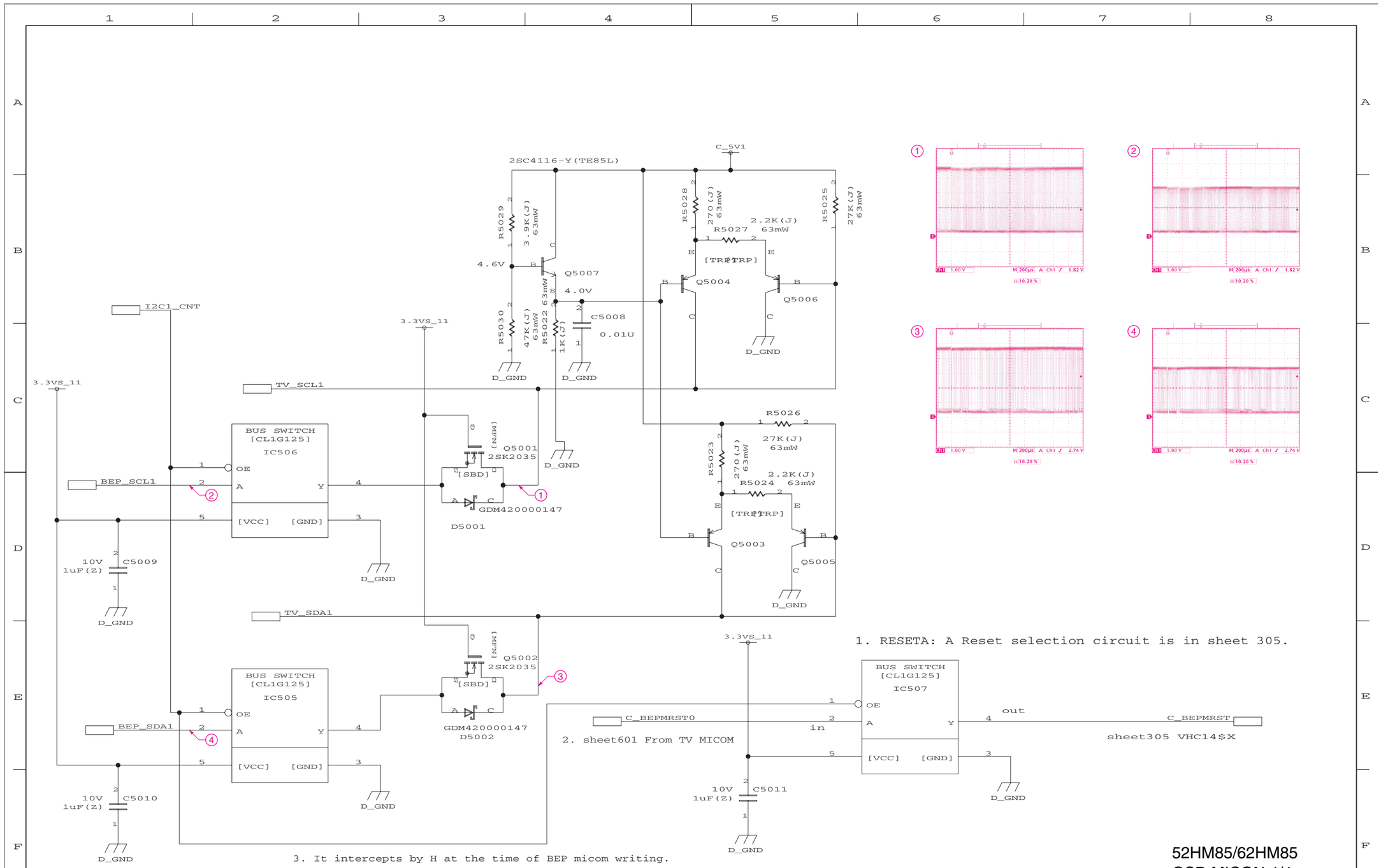
SH.NO.
500


BEPM_CE
BEPM_EPM
BEPM_BUSY
BEPM_SCLK
BEP_RXD1
BEP_TXD1
W5021
W5020
BEPM_RST
M30626FHPGP 2/3
[U30626B]
IC501
[POAT4]
P40/A16
P41/A17
P42/A18
P43/A19
P44/CS0_
P45/CS1_
P46/CS2_
P47/CS3_
[POAT5]
P50/WRL_/WR_
P51/WRH_/BHE_
P52/RD_
P53/BCLK
P54/HLDA_
P55/HOLD_
P56/ALE
P57/RDY_/CLKOUT
[POAT6]
P60/CTS0_/RTS0_
P61/CLK0
P62/RXD0/SCL0
P63/TXD0/SDA0
P64/CTS1_/RTS1_/CTS0_/CLKS1
P65/CLK1
P66/RXD1/SCL1
P67/TXD1/SDA1
[POAT7]
P70/TXD2/SDA2/TA0OUT
P71/RXD2/SCL2/TA0IN/TB5IN
P72/CLK2/TA1OUT/V
P73/CTS2_/RTS2_/TA1IN/V_
P74/TA2OUT/W
P75/TA2IN/W_
P76/TA3OUT
P77/TA3IN
R5015 100(J) 63mW
R5016 100(J) 63mW
R5012 63mW 100(J)
RESETZ
BEP_TXD3(LMPPWR)
LAMPEN
LAMPLITZ
BEP_SCL1
BEP_SDA1
R5018 1.8K(J) 63mW MOUNT
R5017 1.8K(J) 63mW MOUNT
R5013 1.8K(J) 63mW
3.3VS_11
ASICREADY
803:8C
W5016 MOUNT
W5015 MOUNT
BEP_SCL3
205:2A;501:
BEP_SDA3
205:2A;501:
PJ12(DLE I/F)
RM503 100(J) 31mW
RM502 100(J) 31mW
RM506 1.8K(J) 31mW
RM501 10K(J) 31mW
RM505 1.8K(J) 31mW
[RMX4A]
94TB-B
BEP_SCL0
305:5B;501:1D
BEP_SDA0
W5002
W5004
W5001
W5003
NOT MOUNT W5005
NOT MOUNT W5006
94TB-A
BEP_SCL2
305:5A
BEP_SDA2
305:5A
RM504 100(J) 31mW
[TP] DP505 DP506 DP507
3.3VS_1
MPZ2012S221AT
@VAL2 220ohm
FL501
3.3VS_11
BEPM_RST
305:5B;501:8C
BEP_SCL0
305:5B;501:8C
BEP_SDA0
NOT MOUNT W5014
NOT MOUNT W5013
205:2A;501:8A;803:8B
BEP_SCL3
W5018 NOT MOUNT
BEP_SDA3
W5019 NOT MOUNT
205:2A;501:8B;803:5B
BEP_SCL20
BEP_SDA20
W5007 MOUNT
W5008 MOUNT
W5010 NOT MOUNT
W5009 NOT MOUNT
W5012
W5011
BEPM_SCL_AB
BEPM_SDA_AB
W5017
RST
[L34XX]
IC502
VDD
OUT
VSS
NC
PST3427
C5002 10V 1uF(Z)
10K(J) R5019
100(J) 63mW R5014
470nF(K) C5003
SUB_RESET1
305:2B;500:2C
R5011 100(J) 63mW
R5010 100(J) 63mW
EEPROM
[MSEE32K8]
IC503
SDA
SCL
A0
A1
NC
WP
[Vcc] [Vss]
AT24C256N-10SJ-2.7
C5001 10V 1uF(Z)
D_GND
52HM85/62HM85
SUB MICON (2/3)
SHEET-2/3
SH.NO.
501

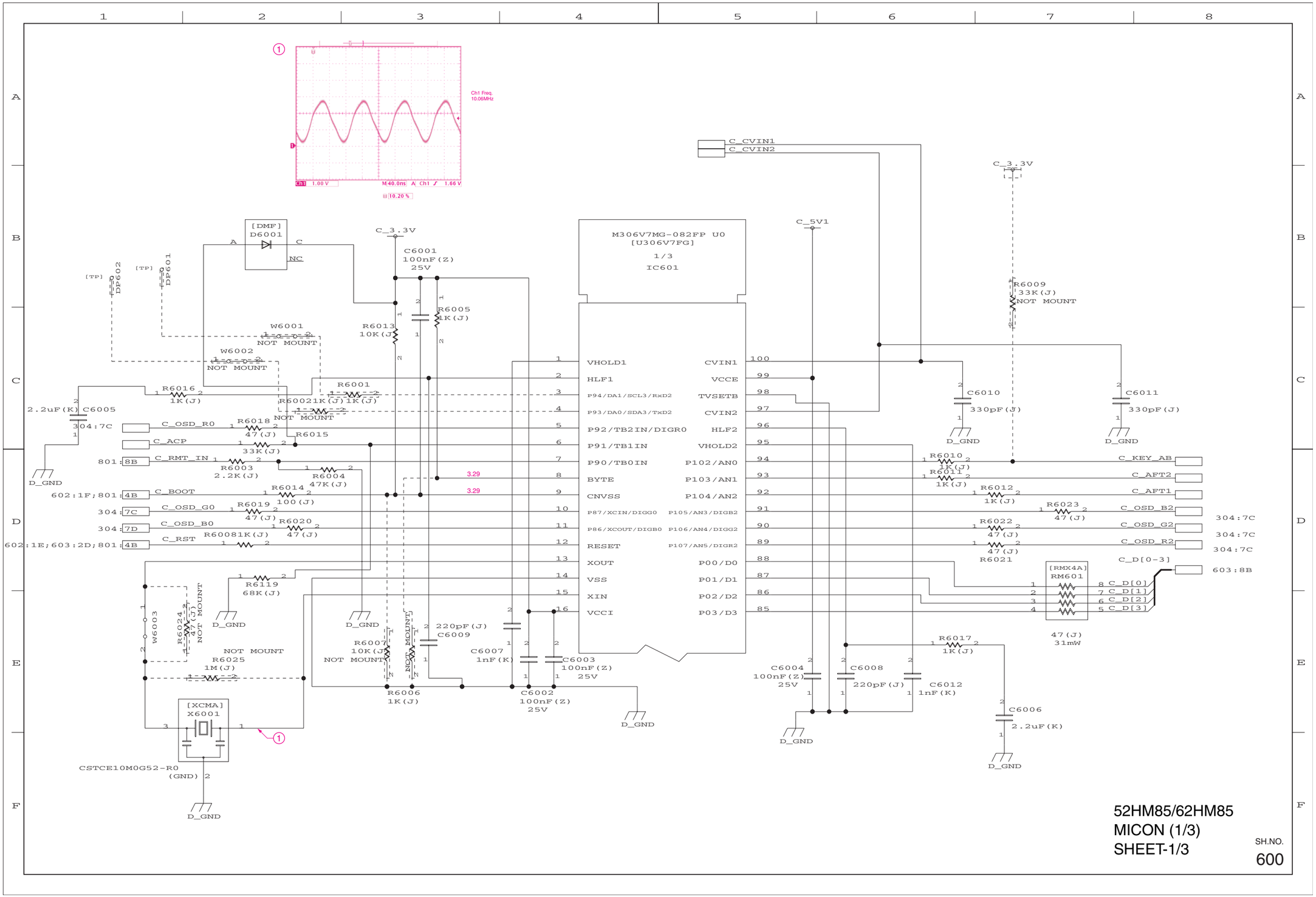


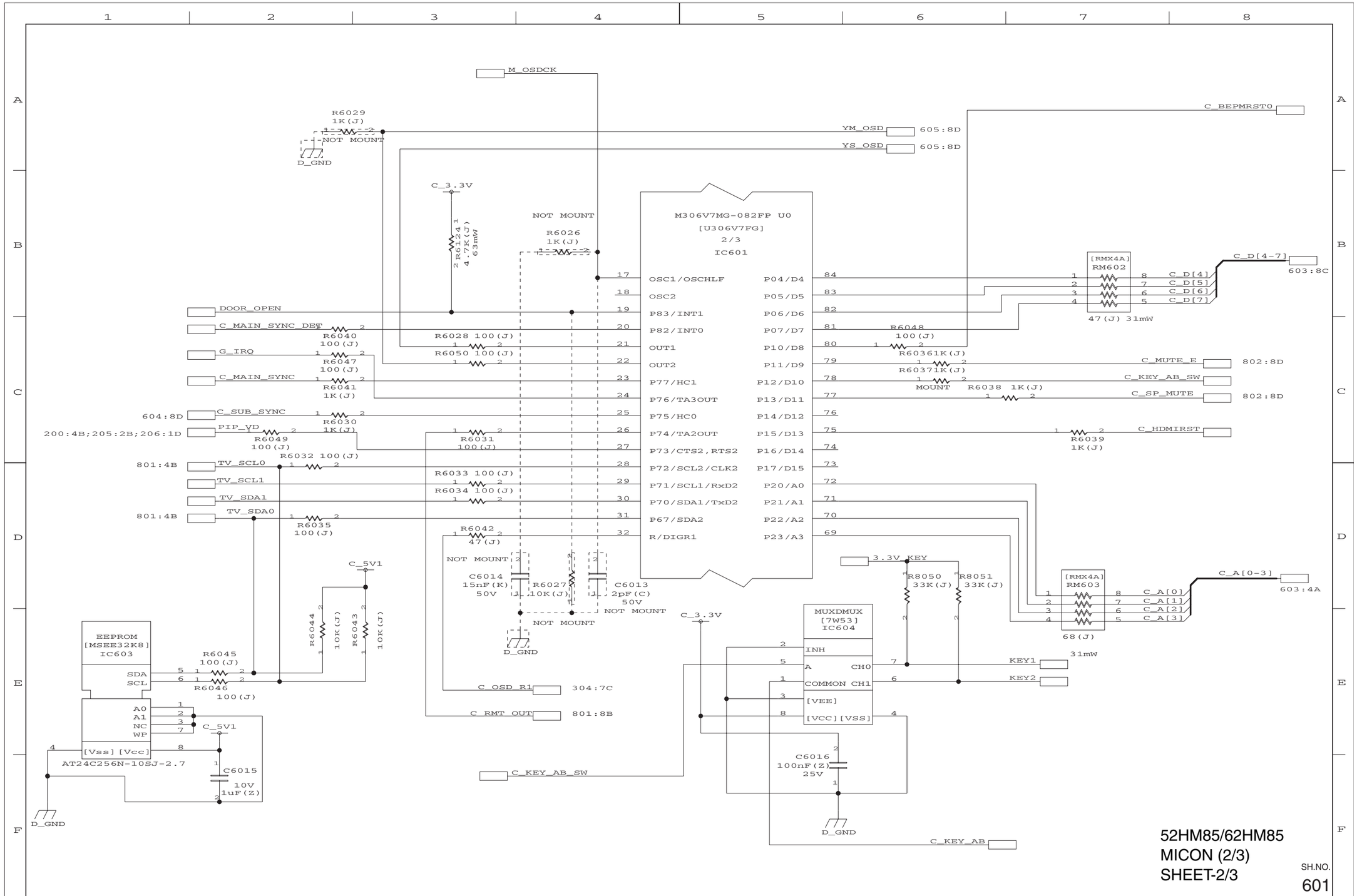
52HM85/62HM85
SUB MICON (3/3)
SHEET-3/3

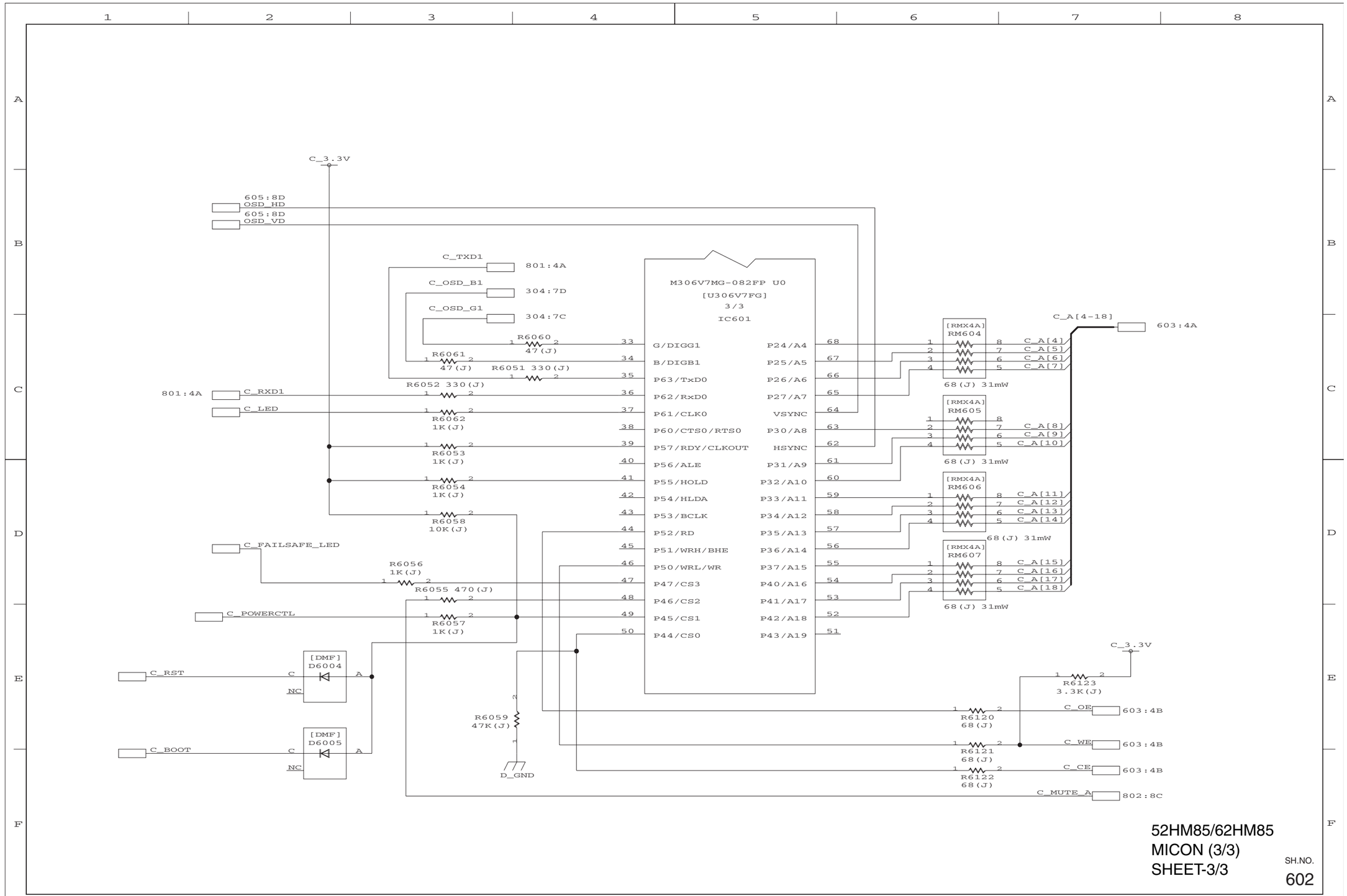
SH.NO.
502

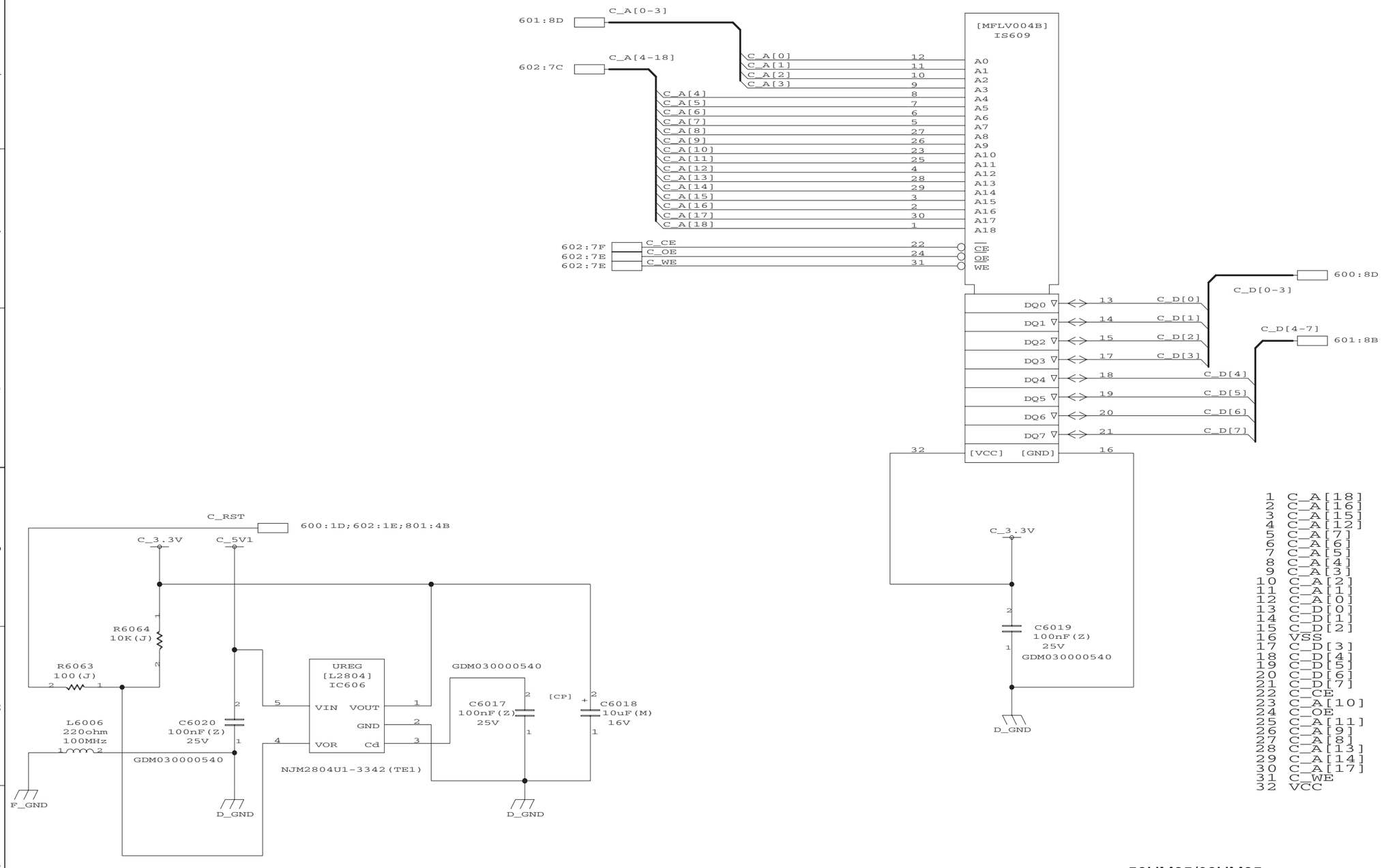

2SC4116-Y(TE85L)
C_5V1
R5029 3.9K(J) 63mW
R5028 270(J) 63mW
R5027 2.2K(J) 63mW
R5025 27K(J) 63mW
4.6V
Q5007
4.0V
Q5004
Q5006
R5030 47K(J) 63mW
R5022 1K(J) 63mW
C5008 0.01U
D_GND
I2C1_CNT
3.3VS_11
TV_SCL1
BUS SWITCH [CL1G125] IC506
OE
A
Y
[VCC]
[GND]
BEP_SCL1
Q5001 2SK2035
[MPN]
[SBD]
GDM4420000147
D5001
R5026 27K(J) 63mW
R5023 270(J) 63mW
R5024 2.2K(J) 63mW
Q5003
Q5005
C5009 10V 1uF(Z)
TV_SDA1
Q5002 2SK2035
D5002
BUS SWITCH [CL1G125] IC505
BEP_SDA1
C5010 10V 1uF(Z)
1. RESETA: A Reset selection circuit is in sheet 305.
C_BEPMRST0
2. sheet601 From TV MICOM
BUS SWITCH [CL1G125] IC507
in
out
C_BEPMRST
sheet305 VHC14$X
C5011 10V 1uF(Z)
3. It intercepts by H at the time of BEP micom writing.
52HM85/62HM85
OSD MICON 4/4
SH.NO.
503

1
2
3
4
1.00 V
M 200µs A Ch1 1.82 V
M 200µs A Ch1 2.74 V
10.20 %


1
Ch1 Freq.
10.06MHz
Ch1 1.00 V
M40.0ns A Ch1 1.66 V
10.20 %
[DMF]
D6001
A
C
NC
C_3.3V
C6001
100nF(Z)
25V
[TP]
DP602
[TP]
DP601
W6001
NOT MOUNT
W6002
NOT MOUNT
R6013
10K(J
R6005
1K(J)
R6016
1K(J)
R6001
R60021K(J)1K(J)
2.2uF(K) C6005
304:7C
C_OSD_R0
R6018
47(J)
C_ACP
R6015
33K(J)
801:8B
C_RMT_IN
R6003
2.2K(J)
R6004
47K(J)
602:1F;801:4B
C_BOOT
R6014
100(J)
304:7C
C_OSD_G0
R6019
47(J)
304:7D
C_OSD_B0
R6020
47(J)
602:1E;603:2D;801:4B
C_RST
R60081K(J)
D_GND
R6119
68K(J)
W6003
R6024
47(J)
NOT MOUNT
NOT MOUNT
R6025
1M(J)
[XCMA]
X6001
CSTCE10M0G52-R0
(GND)
R6007
10K(J)
NOT MOUNT
NOT MOUNT
R6006
1K(J)
220pF(J)
C6009
C6007
1nF(K)
C6003
100nF(Z)
25V
C6002
100nF(Z)
25V
3.29
3.29
M306V7MG-082FP U0
[U306V7FG]
1/3
IC601
1 VHOLD1
2 HLF1
3 P94/DA1/SCL3/RxD2
4 P93/DA0/SDA3/TxD2
5 P92/TB2IN/DIGR0
6 P91/TB1IN
7 P90/TB0IN
8 BYTE
9 CNVSS
10 P87/XCIN/DIGG0
11 P86/XCOUT/DIGB0
12 RESET
13 XOUT
14 VSS
15 XIN
16 VCCI
100 CVIN1
99 VCCE
98 TVSETB
97 CVIN2
96 HLF2
95 VHOLD2
94 P102/AN0
93 P103/AN1
92 P104/AN2
91 P105/AN3/DIGB2
90 P106/AN4/DIGG2
89 P107/AN5/DIGR2
88 P00/D0
87 P01/D1
86 P02/D2
85 P03/D3
C_CVIN1
C_CVIN2
C_5V1
C_3.3V
R6009
33K(J)
NOT MOUNT
C6010
330pF(J)
C6011
330pF(J)
D_GND
R6010
1K(J)
R6011
1K(J)
R6012
1K(J)
R6023
47(J)
R6022
47(J)
R6021
47(J)
C_KEY_AB
C_AFT2
C_AFT1
C_OSD_B2
C_OSD_G2
C_OSD_R2
304:7C
304:7C
304:7C
C_D[0-3]
603:8B
[RMX4A]
RM601
8 C_D[0]
7 C_D[1]
6 C_D[2]
5 C_D[3]
47(J)
31mW
R6017
1K(J)
C6004
100nF(Z)
25V
C6008
220pF(J)
C6012
1nF(K)
C6006
2.2uF(K)
52HM85/62HM85
MICON (1/3)
SHEET-1/3
SH.NO.
600

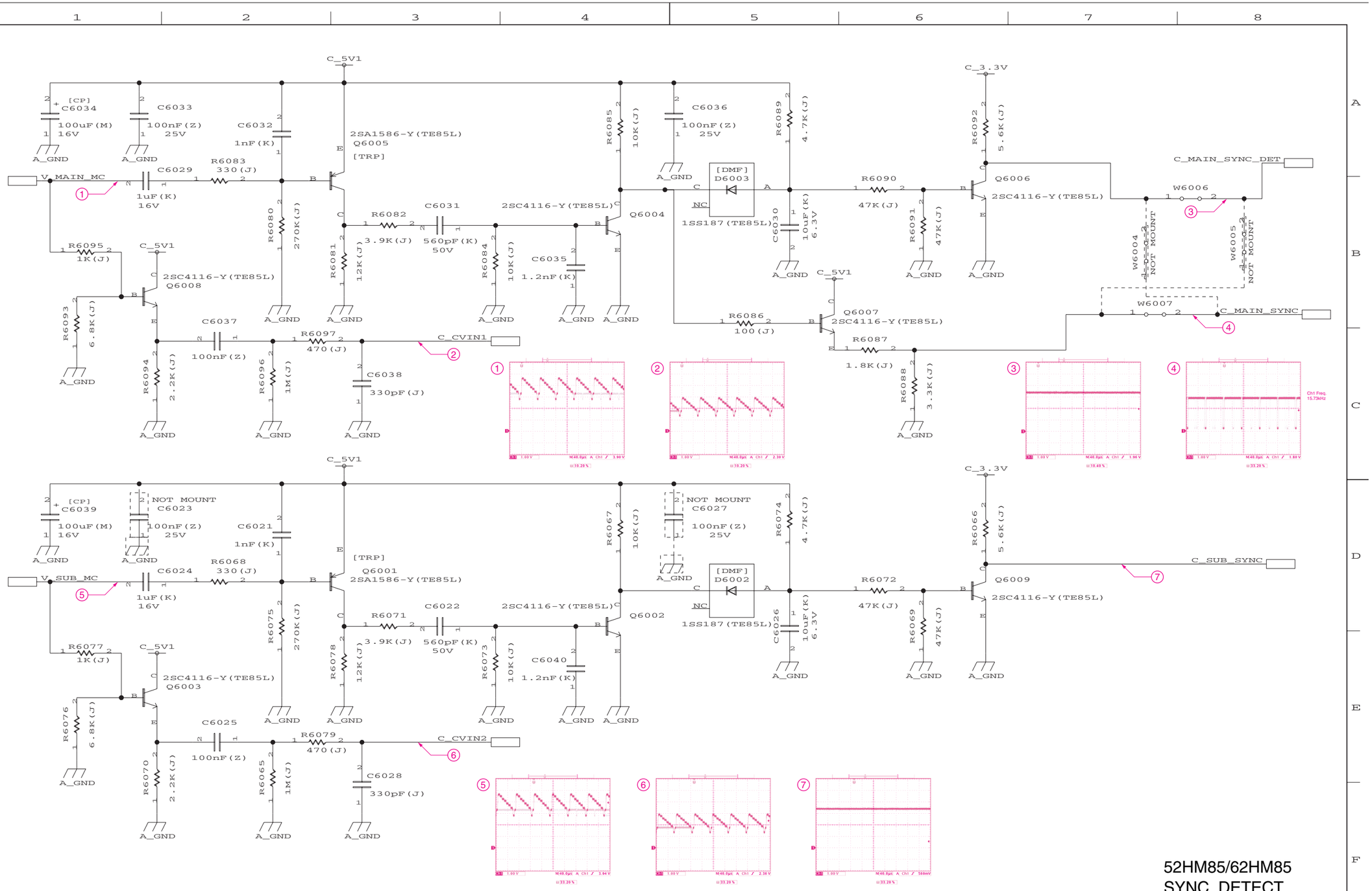

M_OSDCK
R6029
1K(J)
NOT MOUNT
D_GND
YM_OSD
605:8D
YS_OSD
605:8D
C_BEPMRST0
C_3.3V
R6124
4.7K(J)
63mW
NOT MOUNT
R6026
1K(J)
M306V7MG-082FP U0
[U306V7FG]
2/3
IC601
[RMX4A]
RM602
C_D[4-7]
603:8C
C_D[4]
C_D[5]
C_D[6]
C_D[7]
47(J) 31mW
DOOR_OPEN
C_MAIN_SYNC_DET
R6040
100(J)
R6028 100(J)
R6050 100(J)
G_IRQ
R6047
100(J)
C_MAIN_SYNC
R6041
1K(J)
604:8D
C_SUB_SYNC
R6030
1K(J)
200:4B;205:2B;206:1D
PIP_VD
R6049
100(J)
R6032 100(J)
801:4B
TV_SCL0
TV_SCL1
TV_SDA1
801:4B
TV_SDA0
R6035
100(J)
R6031
100(J)
R6033 100(J)
R6034 100(J)
R6042
47(J)
NOT MOUNT
C6014
15nF(K)
50V
R6027
10K(J)
C6013
2pF(C)
50V
NOT MOUNT
NOT MOUNT
D_GND
C_OSD_R1
304:7C
C_RMT_OUT
801:8B
C_KEY_AB_SW
R6048
100(J)
R60361K(J)
R60371K(J)
MOUNT
R6038 1K(J)
C_MUTE_E
802:8D
C_KEY_AB_SW
C_SP_MUTE
802:8D
C_HDMIRST
R6039
1K(J)
3.3V_KEY
R8050
33K(J)
R8051
33K(J)
[RMX4A]
RM603
C_A[0-3]
603:4A
C_A[0]
C_A[1]
C_A[2]
C_A[3]
68(J)
31mW
KEY1
KEY2
MUXDMUX
[7W53]
IC604
INH
A
CH0
COMMON
CH1
[VEE]
[VCC]
[VSS]
C6016
100nF(Z)
25V
D_GND
C_KEY_AB
EEPROM
[MSEE32K8]
IC603
SDA
SCL
R6045
100(J)
R6046
100(J)
R6044
10K(J)
R6043
10K(J)
C_5V1
A0
A1
NC
WP
[Vss]
[Vcc]
AT24C256N-10SJ-2.7
C_5V1
C6015
10V
1uF(Z)
D_GND
P04/D4
P05/D5
P06/D6
P07/D7
P10/D8
P11/D9
P12/D10
P13/D11
P14/D12
P15/D13
P16/D14
P17/D15
P20/A0
P21/A1
P22/A2
P23/A3
OSC1/OSCHLF
OSC2
P83/INT1
P82/INT0
OUT1
OUT2
P77/HC1
P76/TA3OUT
P75/HC0
P74/TA2OUT
P73/CTS2,RTS2
P72/SCL2/CLK2
P71/SCL1/RxD2
P70/SDA1/TxD2
P67/SDA2
R/DIGR1
52HM85/62HM85
MICON (2/3)
SHEET-2/3
SH.NO.
601


C_3.3V
605:8D
OSD_HD
605:8D
OSD_VD
C_TXD1
801:4A
C_OSD_B1
304:7D
C_OSD_G1
304:7C
R6060
47(J)
R6061
47(J)
R6051 330(J)
R6052 330(J)
801:4A
C_RXD1
C_LED
R6062
1K(J)
R6053
1K(J)
R6054
1K(J)
R6058
10K(J)
C_FAILSAFE_LED
R6056
1K(J)
R6055 470(J)
C_POWERCTL
R6057
1K(J)
C_RST
C_BOOT
[DMF]
D6004
[DMF]
D6005
NC
R6059
47K(J)
D_GND
M306V7MG-082FP U0
[U306V7FG]
3/3
IC601
G/DIGG1
B/DIGB1
P63/TxD0
P62/RxD0
P61/CLK0
P60/CTS0/RTS0
P57/RDY/CLKOUT
P56/ALE
P55/HOLD
P54/HLDA
P53/BCLK
P52/RD
P51/WRH/BHE
P50/WRL/WR
P47/CS3
P46/CS2
P45/CS1
P44/CS0
P24/A4
P25/A5
P26/A6
P27/A7
VSYNC
P30/A8
HSYNC
P31/A9
P32/A10
P33/A11
P34/A12
P35/A13
P36/A14
P37/A15
P40/A16
P41/A17
P42/A18
P43/A19
[RMX4A]
RM604
[RMX4A]
RM605
[RMX4A]
RM606
[RMX4A]
RM607
68(J) 31mW
C_A[4-18]
603:4A
C_A[4]
C_A[5]
C_A[6]
C_A[7]
C_A[8]
C_A[9]
C_A[10]
C_A[11]
C_A[12]
C_A[13]
C_A[14]
C_A[15]
C_A[16]
C_A[17]
C_A[18]
C_3.3V
R6123
3.3K(J)
R6120
68(J)
R6121
68(J)
R6122
68(J)
C_OE
C_WE
C_CE
603:4B
C_MUTE_A
802:8C
52HM85/62HM85
MICON (3/3)
SHEET-3/3
SH.NO.
602



52HM85/62HM85
TV MICON RESET IC & FLASH

SH.NO.
603


C_5V1
C6034 [CP] 100uF(M) 16V
C6033 100nF(Z) 25V
C6032 1nF(K)
2SA1586-Y(TE85L) Q6005 [TRP]
R6085 10K(J)
C6036 100nF(Z) 25V
R6089 4.7K(J)
C_3.3V
R6092 5.6K(J)
C_MAIN_SYNC_DET
V_MAIN_MC
C6029 1uF(K) 16V
R6083 330(J)
R6080 270K(J)
R6082 3.9K(J)
C6031 560pF(K) 50V
2SC4116-Y(TE85L) Q6004
[DMF] D6003
1SS187(TE85L)
C6030 10uF(K) 6.3V
R6090 47K(J)
Q6006 2SC4116-Y(TE85L)
W6006
W6004 NOT MOUNT
W6005 NOT MOUNT
R6095 1K(J)
2SC4116-Y(TE85L) Q6008
R6081 12K(J)
R6084 10K(J)
C6035 1.2nF(K)
R6091 47K(J)
W6007
C_MAIN_SYNC
R6086 100(J)
Q6007 2SC4116-Y(TE85L)
R6087 1.8K(J)
R6093 6.8K(J)
C6037 100nF(Z)
R6097 470(J)
C_CVIN1
R6094 2.2K(J)
R6096 1M(J)
C6038 330pF(J)
R6088 3.3K(J)
A_GND
C_5V1
C6039 [CP] 100uF(M) 16V
NOT MOUNT C6023 100nF(Z) 25V
C6021 1nF(K)
[TRP] Q6001 2SA1586-Y(TE85L)
R6067 10K(J)
NOT MOUNT C6027 100nF(Z) 25V
R6074 4.7K(J)
C_3.3V
R6066 5.6K(J)
C_SUB_SYNC
V_SUB_MC
C6024 1uF(K) 16V
R6068 330(J)
R6075 270K(J)
R6071 3.9K(J)
C6022 560pF(K) 50V
2SC4116-Y(TE85L) Q6002
[DMF] D6002
1SS187(TE85L)
C6026 10uF(K) 6.3V
R6072 47K(J)
Q6009 2SC4116-Y(TE85L)
R6077 1K(J)
2SC4116-Y(TE85L) Q6003
R6078 12K(J)
R6073 10K(J)
C6040 1.2nF(K)
R6069 47K(J)
R6076 6.8K(J)
C6025 100nF(Z)
R6079 470(J)
C_CVIN2
R6070 2.2K(J)
R6065 1M(J)
C6028 330pF(J)
52HM85/62HM85
SYNC_DETECT
SH.NO.
604

LVD_HS
LVD_VS
500:7B
HIRA_HYPER

3.3VS_11

[CN6]
PJ104
TCK 1
TDO 2
3.3V 3
TMS 4
TDI 5
GND 6

GDM220000972

W6008

L6005
L6001
L6002
L6003
L6004
L6008
22ohm
100MHz
NOT MOUNT

F_GND

04:7D OSD_CLK

to BEP uCOM

304:7D HIRA_HD
304:7D HIRA_VD
304:7D YM_BEP_IN
304:1D YS_BEP_IN

804:8D CNFLG

R6110 10K(J)

R6106 33
R6107 33
R6104 33
R6105 33

R6103 4.7K(J)

NOT MOUNT
R6128 4.7K(J)
R6126 4.7K(J)
R6102 4.7K(J)
R6100 4.7K(J)
R6101 4.7K(J)

R6127 4.7K(J)
R6125 4.7K(J)
R6113 4.7K(J)
R6111 4.7K(J)
R6114 4.7K(J)
R6112 4.7K(J)

C6042 100nF(Z)
C6043 100nF(Z)
C6041 100nF(Z)
C6044 100nF(Z)

D_GND

PLD
[G3064]
IC607

37	GCLK1	I/O	44
38	OE1	I/O	43
39	GCLRn	I/O	42
40	GCLK2	I/O	35
1	I/O/TDI	I/O	34
2	I/O	I/O	33
3	I/O	TDO/I/O	32
5	I/O	I/O	31
6	I/O	I/O	28
7	I/O	I/O	27
8	I/O/TMS	I/O	26
10	I/O	TCK/I/O	25
12	I/O	I/O	23
13	I/O	I/O	22
14	I/O	I/O	21
N.C. 15	I/O	I/O	20
N.C. 18	I/O	I/O	19 N.C.
9	[VCC]	[GND]	4
17	[VCC]	[GND]	11
29	[VCC]	[GND]	16
41	[VCC]	[GND]	24
		[GND]	30
		[GND]	36

R6130 4.7K(J) NOT MOUNT
R6098 4.7K(J) NOT MOUNT
R6099 4.7K(J) NOT MOUNT
R6118 4.7K(J) NOT MOUNT

R6129 4.7K(J)
R6117 4.7K(J)
R6116 4.7K(J)
R6115 4.7K(J)

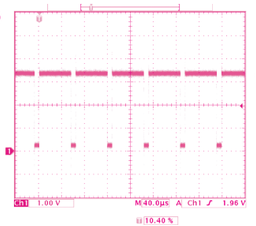
503:1B I2C1_CNT

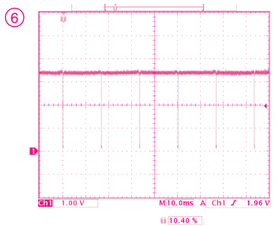
to MAIN uCOM

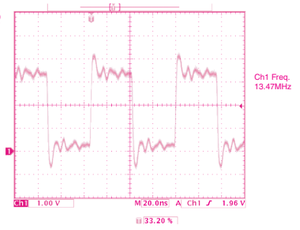
602:2B OSD_VD
602:2B OSD_HD

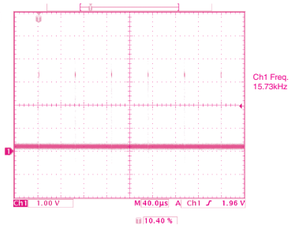
R6108 100(J) 601:6A YM_OSD
R6109 100(J) 601:6A YS_OSD
R6112 100(J) 601:3A M_OSDCK

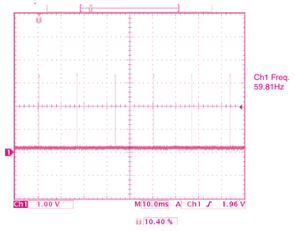
HD:3us PDP/70MHz -> 70h
LCD/65MHz -> 70h

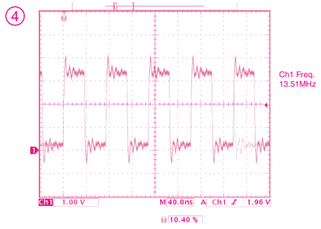
⑤


⑥


①


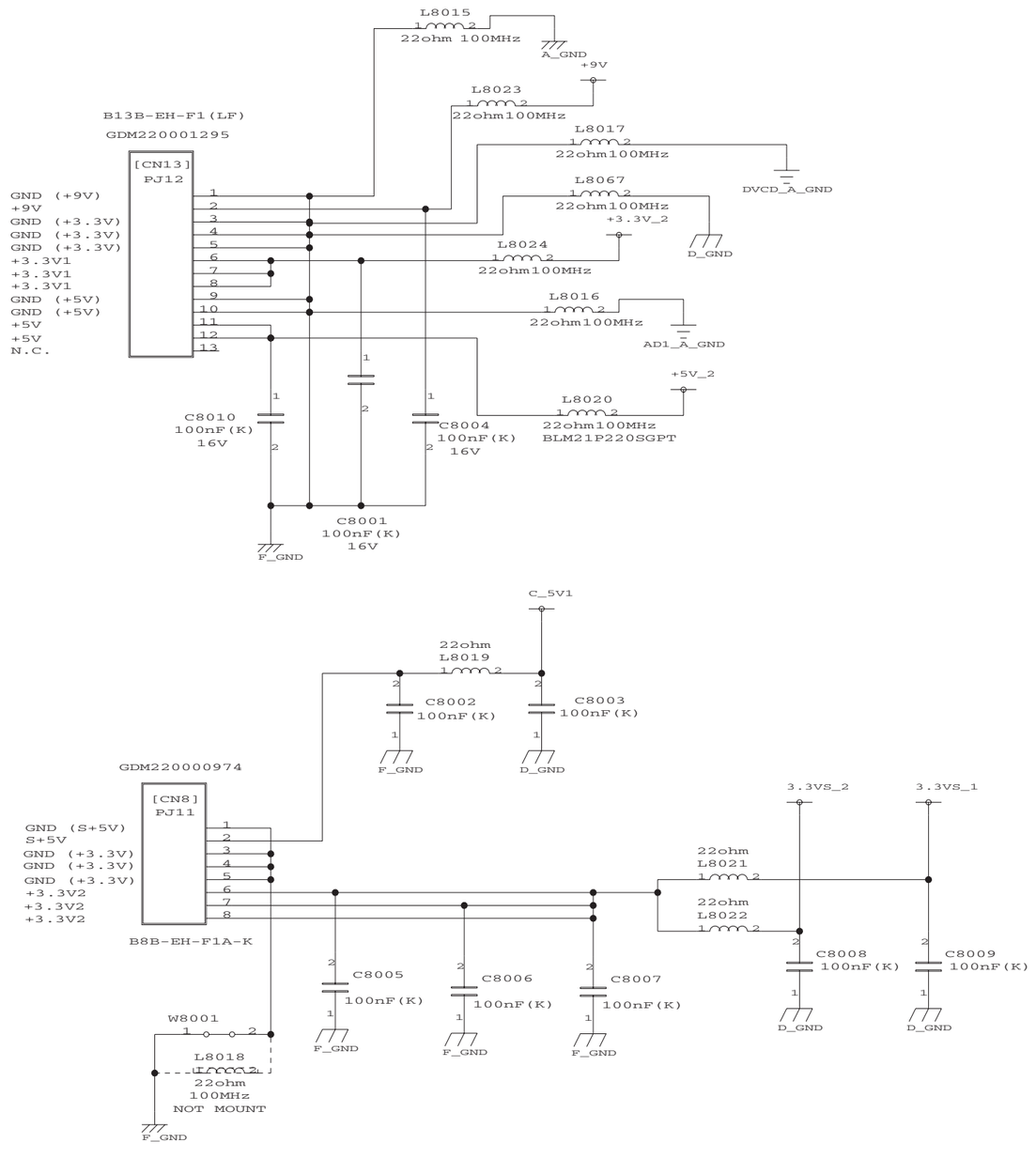
②


③


④


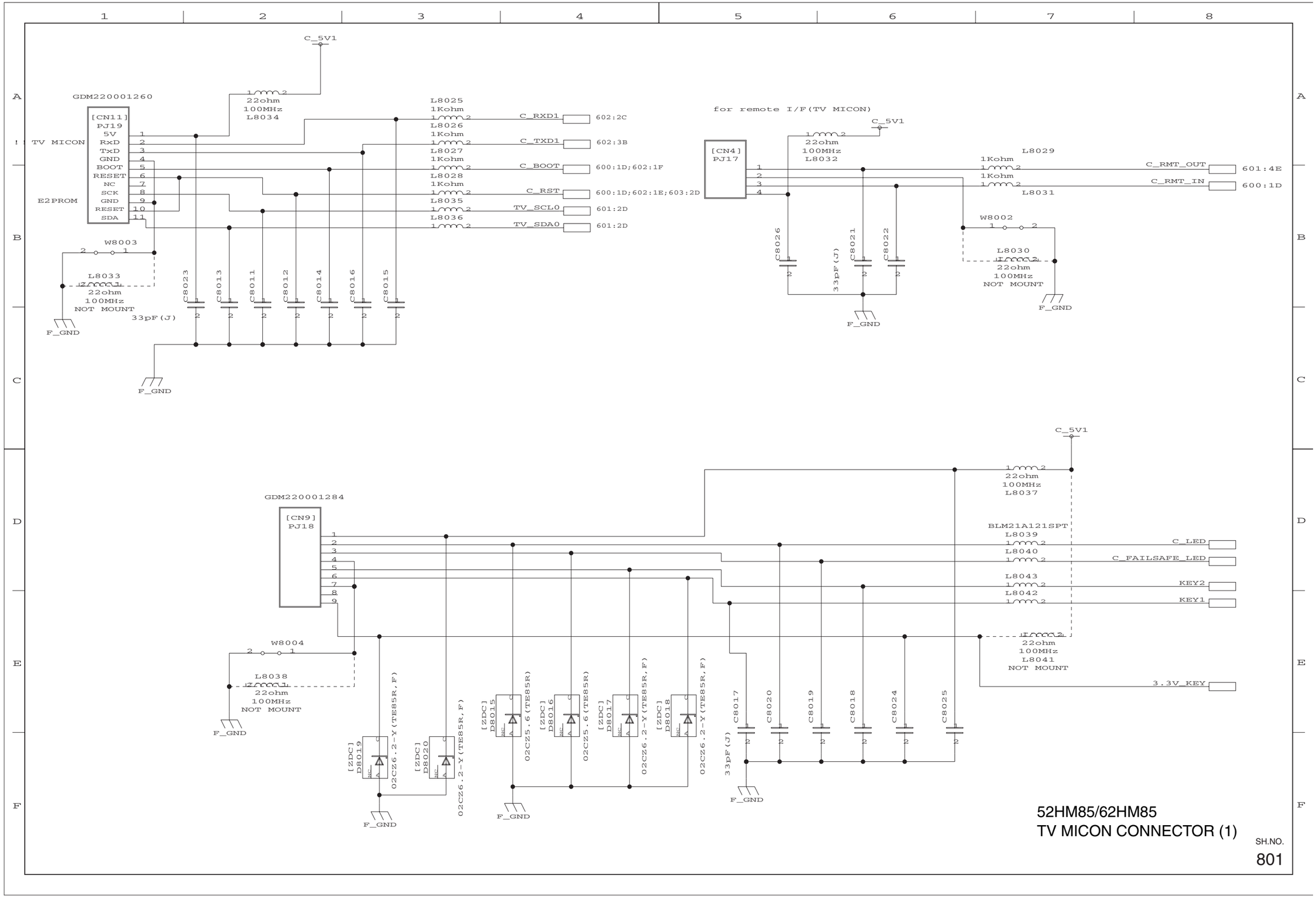
52HM85/62HM85
PLD (US OSD SYNC Generator)

SH.NO.
605



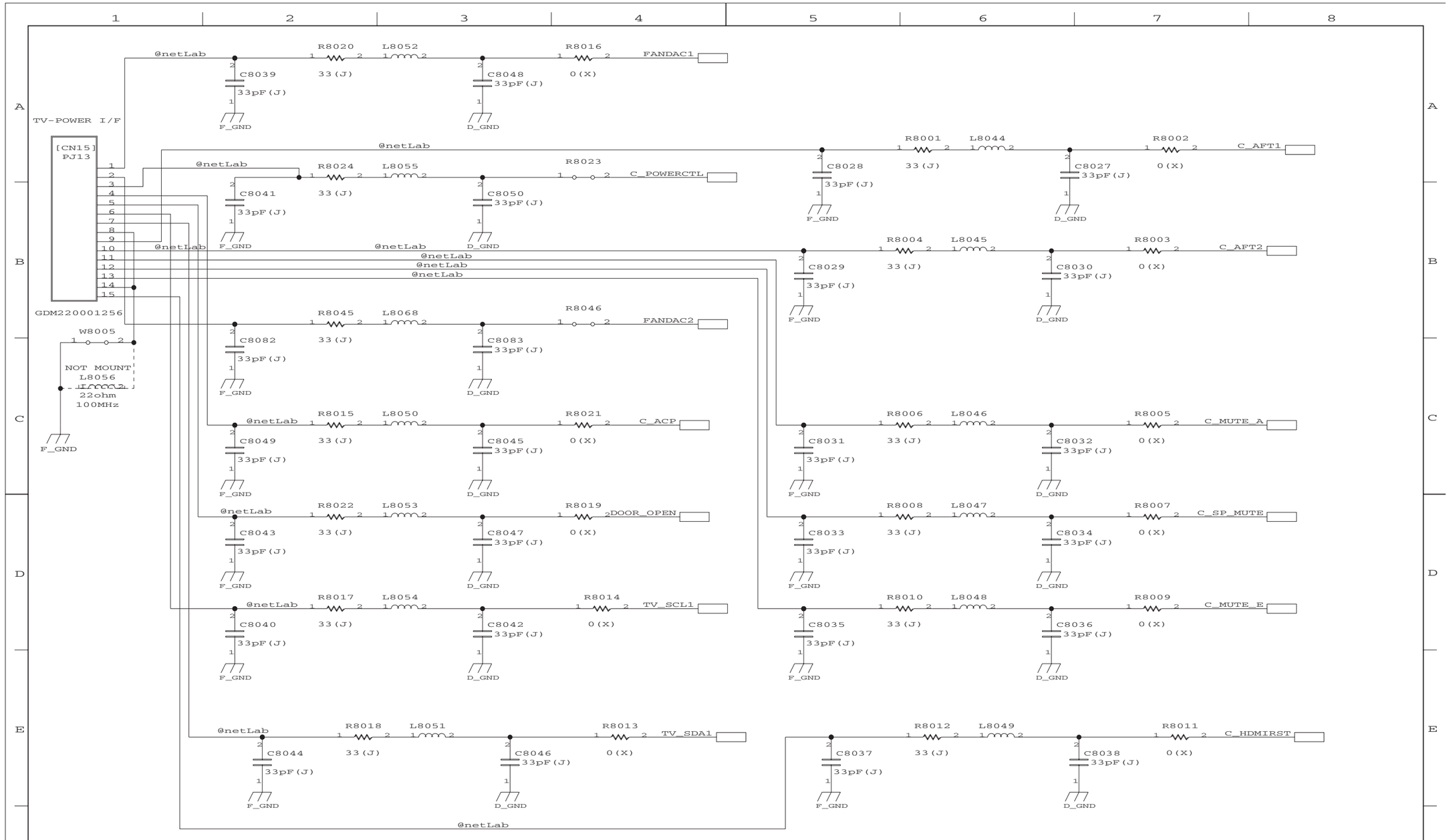
52HM85/62HM85
POWER_CONNECTOR

SH.NO.
800



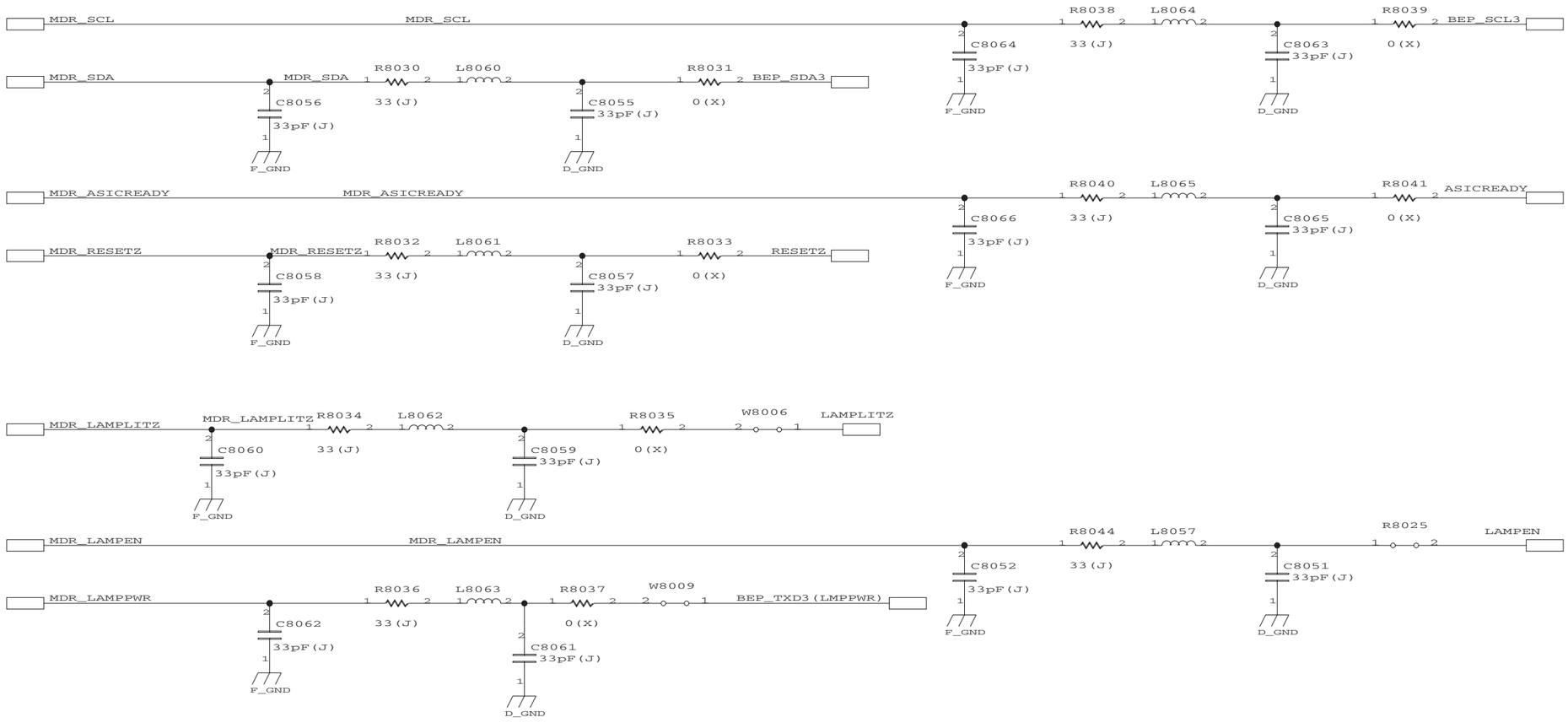
52HM85/62HM85
TV MICON CONNECTOR (1)

SH.NO.
801



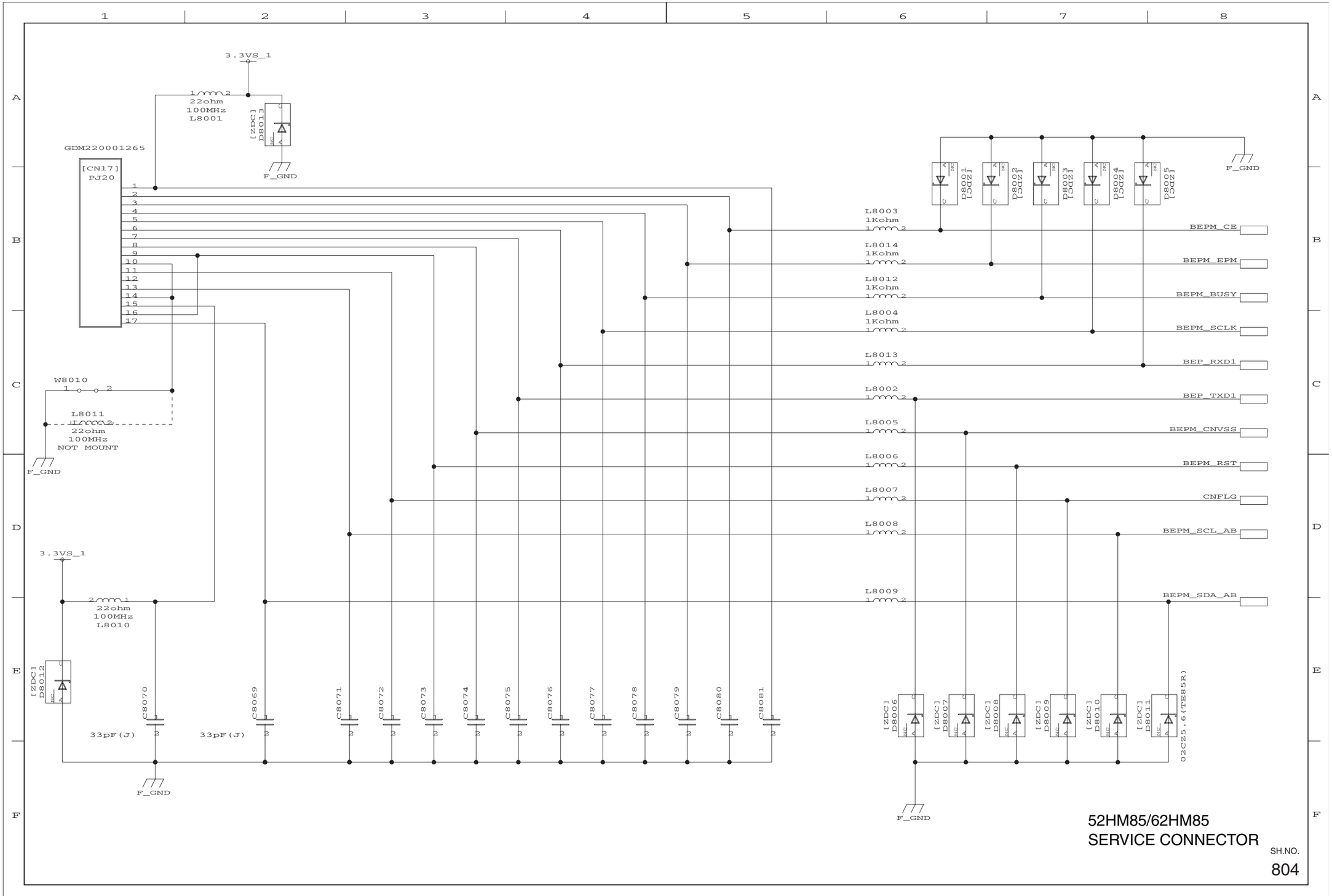
52HM85/62HM85
CONNECTOR (TV MICON-POWER BOARD)

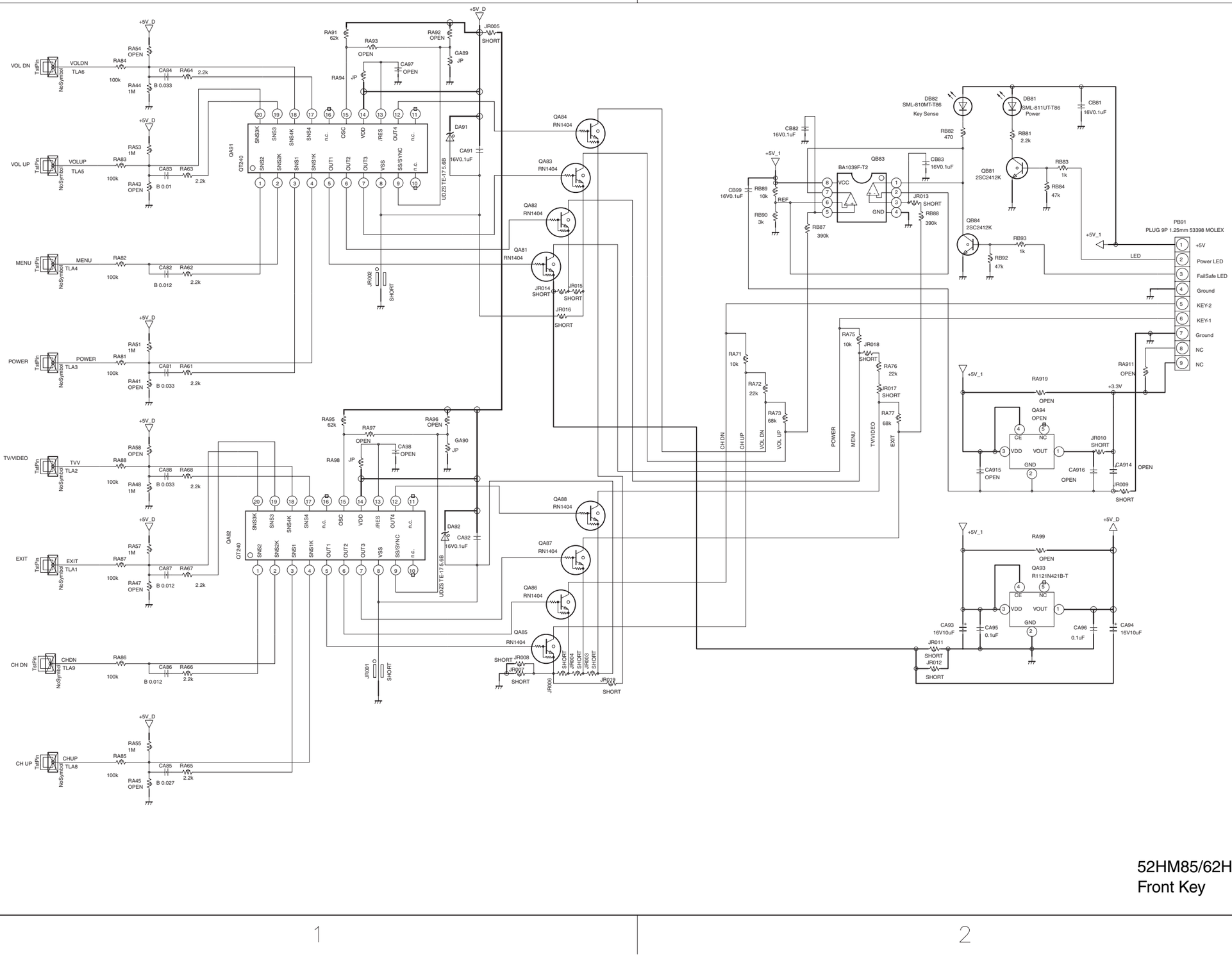
SH.NO.
802



52HM85/62HM85
CONNECTOR (DLF I/F)

SH.NO.
803


3.3VS_1
22ohm
100MHz
L8001
[ZDC]
D8013
F_GND
GDM2200001265
[CN17]
PJ20
W8010
L8011
22ohm
100MHz
NOT MOUNT
F_GND
3.3VS_1
22ohm
100MHz
L8010
[ZDC]
D8012
C8070
33pF(J)
C8069
33pF(J)
C8071
C8072
C8073
C8074
C8075
C8076
C8077
C8078
C8079
C8080
C8081
F_GND
L8003
1Kohm
L8014
1Kohm
L8012
1Kohm
L8004
1Kohm
L8013
L8002
L8005
L8006
L8007
L8008
L8009
[ZDC]
D8001
[ZDC]
D8002
[ZDC]
D8003
[ZDC]
D8004
[ZDC]
D8005
F_GND
BEPM_CE
BEPM_EPM
BEPM_BUSY
BEPM_SCLK
BEP_RXD1
BEP_TXD1
BEPM_CNVSS
BEPM_RST
CNFLG
BEPM_SCL_AB
BEPM_SDA_AB
[ZDC]
D8006
[ZDC]
D8007
[ZDC]
D8008
[ZDC]
D8009
[ZDC]
D8010
[ZDC]
D8011
02CZ5.6(TE85R)
F_GND
52HM85/62HM85
SERVICE CONNECTOR
SH.NO.
804



52HM85/62HM85
Front Key

LIVE AREA

BALLAST POWER

DMD FAN

EXHAUST FAN

DOOR SW

FAN STOP

FAN DAC2

FAN DAC1

G-Hyper.Dbep

12V DMD

3.4V

9V-1

3.4V DMD

2.6V DMD

DMD

DMD

DMD

IF AUDIO

IF AUDIO

HDMI

G-Hyper.Dbep

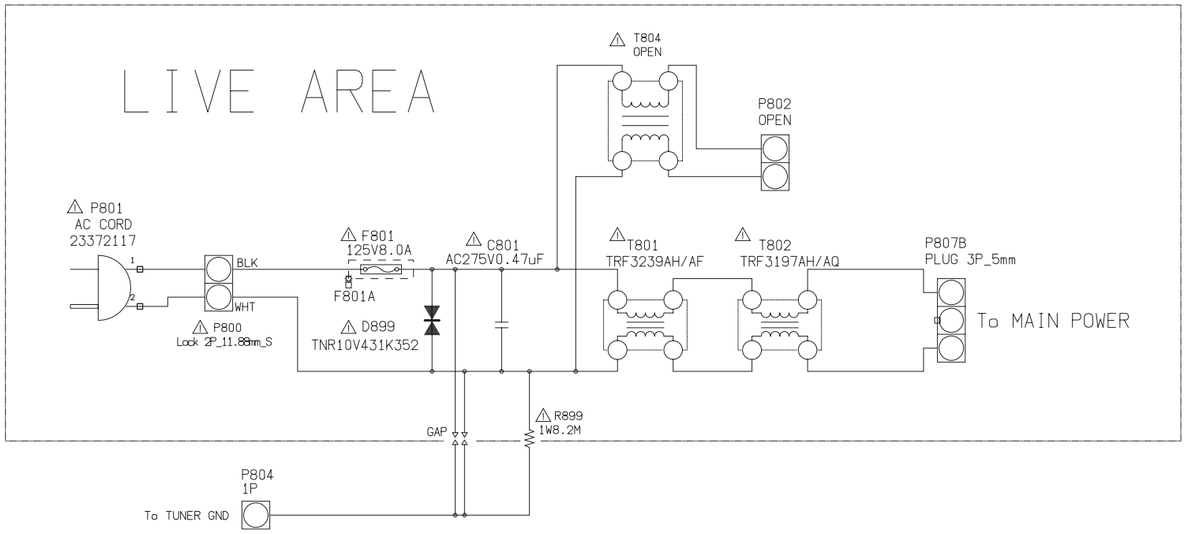
13.5V

5.15V

3.5V

AUDIO

52HM85/62HM85
MAIN POWER



52HM85/62HM85
AC IN

TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN